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1956-57

Brigham Young University BULLETIN



GRADUATE SCHOOL

*Get Your Education
the
Y's Way*

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DEPARTMENT OF GRADUATE INSTRUCTION

Accounting	H. Verlan Anderson, Chairman
Agricultural Economics	Ivan Corbridge, Chairman
Agronomy	Merrill J. Hallam, Chairman
Animal Husbandry	Lawrence Morris, Chairman
Archaeology	M. Wells Jakeman, Chairman
Art	Conan E. Mathews, Chairman
Bacteriology	Don H. Larsen, Chairman
Botany	Bertrand Harrison, Chairman
Chemistry	H. Smith Broadbent, Chairman
Church History and Philosophy	Sidney B. Sperry, Chairman
Economics	Elmer Miller, Chairman
Educational Instruction	Sterling G. Callahan, Chairman
Educational Administration	Percy E. Burrup, Chairman
Educational Research and Services	Robert L. Egbert, Chairman
Educational Values and Programs ..	Asahel D. Woodruff Chairman
English	Leonard W. Rice, Chairman
Finance and Banking	Howard D. Lowe, Chairman
Geography	Elliott Tuttle, Chairman
Geology	Kenneth C. Bullock, Chairman
Health Education	David Geddes, Chairman
History	Richard D. Poll, Chairman
Human Development and Family Relationships	Blaine M. Porter, Chairman
Journalism	Oliver R. Smith, Chairman
Marketing	Weldon J. Taylor, Chairman
Mathematics	Milton Marshall, Chairman
Modern and Classical Languages	Arthur R. Watkins, Chairman
Music	John R. Halliday, Chairman
Physical Education	Charles J. Hart, Chairman
Physics	Wayne B. Hales, Chairman
Psychology	Mark K. Allen, Chairman
Political Science	Stewart L. Grow, Chairman
Recreation Education	Israel Heaton, Chairman
Scripture	Sidney B. Sperry, Chairman
Semitic Languages	Sidney B. Sperry, Chairman
Sociology	Reed H. Bradford, Chairman
Speech and Dramatic Arts	Harold I. Hansen, Chairman
Zoology and Entomology	Vasco M. Tanner, Chairman

1956-57 Schedule

Autumn Quarter

September 19, 20, 21, 22, 8:00 a.m.: Orientation and placement tests for all freshmen and sophomores who will register at B.Y.U. for the first time. Late fees will be charged all new students who fail to appear at 8:00 a.m.

September 24, 25, 8:00 a.m.: Registration for all regular and special students. A late fee will be charged all students registering after this date.

September 26: Class instruction begins.

October 8: Last day for currently enrolled students to enter new classes.

November 22, 23: Thanksgiving Recess.

December 10, 11, 12: Examination period. Autumn quarter closes December 12.

Winter Quarter

January 2: Registration for all students. A late fee will be charged all students registering after this date.

January 3: Class instruction begins.

January 11: Last day for currently enrolled students to enter new classes.

March 12, 13, 14: Examination period. Winter quarter closes March 14.

Spring Quarter

March 19: Registration for all students. A late fee will be charged all students registering after this date.

March 20: Class instruction begins.

March 29: Last day for currently enrolled students to enter new classes.

May 6: Students desiring to enter the summer session who have not previously attended B.Y.U. should submit their application for admission on or before May 6.

May 28, 29, 30: Examination period.

May 30: Baccalaureate Services

May 31: Eighty-second Commencement Exercises.

Summer Quarter

June 10: Registration for the summer quarter.

August 17: Convocation.

For additional information concerning the Graduate School write:
Dean George H. Hansen
Graduate School
Brigham Young University
Provo, Utah

George H. Hansen,
Dean



Dr. Hansen attended the Utah State Agricultural College from 1915 to 1918, where he received his B.S. degree in Geology. He also attended George Washington University, where he also received his M.S., Ph.D. degrees in Geology in 1925, 1927.

He was signed with the United States Geographical Survey in New Mexico, Utah, and Montana for three years, and in 1927 was attached to the Texas Oil Company in West Texas.

He joined the Brigham Young University staff in the department of Geology in 1927. During the periods from 1927 to 1956, he was consultant on the petroleum and ground water projects in the Rocky Mountain Region.

Dr. Hansen was Chairman of the Department of Geology, 1929-1954, then appointed Dean of the Graduate School.

Dr. Hansen has many publications in the fields of Petroleum, Geology, Anthropology, and Geography. He is a friend to all, and stands by willing at all times to help you with your problems and decisions concerning your graduate work.

General Information

PURPOSE

The Graduate Division of Brigham Young University was established as an administrative unit in 1922, 47 years after the founding of the Brigham Young Academy in 1875. The objective of graduate study was then stated in these terms: "The essential aim . . . is to develop the power to do independent work and to encourage the spirit of research. Each candidate is expected to possess a broad general knowledge of his major subject with less detail in the case of his minor subjects."

Educational institutions such as Brigham Young University reflect the aspirations and problems of the American people. They carry the ideals, dreams, and hopes of democracy from generation to generation. Their ranks must be filled with trained men and women—trained in the skills, the arts, and the sciences and dedicated to a higher spiritual understanding through which all men can work for the common good.

FACULTY OF THE GRADUATE SCHOOL

In the early years, all graduate registration was made through a Committee on Graduate Work. The first Chairman of Graduate Work was appointed in 1925. Since the establishment of the Graduate School in 1929, all graduate study has been under the direction of a Dean.

The faculty of the Graduate School is composed of those who hold the rank of professor or associate professor and other regular members of the teaching staff of the university teaching graduate courses or serving on graduate theses committees.

The chief administrative body of the Graduate Faculty is the Graduate Council, which consists of (1) the President of the University, the Dean of the Graduate School, and the Director of Research, ex officio; (2) four members of the Graduate Faculty elected at large for terms of three years; (3) eight members of the Graduate Faculty, one elected from each of the eight Colleges in which there are departments offering graduate work; and (4) one member elected to represent the Division of Religion. The Graduate Council is empowered to act for the Graduate Faculty on all student petitions and on departmental requests for approval of faculty members for graduate instruction and supervision. It is the responsibility of the Graduate Faculty to formulate and recommend requirements for all graduate degrees and to recommend regulations and facilities to promote the scholarly activities and research interests of graduate students.

LIBRARY FACILITIES

The Heber J. Grant Library contains the general library and certain special collections. It includes over 225,000 books, government documents, pamphlets, and bound magazines. Approximately a thousand periodicals are received regularly. Some of the outstanding collections available to students are the Boyle Collection in Geology, the Gates Collection on the History, Archaeology and Linguistics of the Maya Area, the Robert Burns Collection, and the National Welsh Library.

Special Libraries. The Albert C. Boyle Science Library, housed in the Eyring Physical Science Center, includes books and periodicals in physical science, radio, engineering, photography, and antiquities, and an extensive map collection.

The facilities of the L.D.S. Genealogical and Historical Library in Salt Lake City, which contains over 500,000 titles, are available by special arrangement, as are the collections of Utah and Mormon materials in the L.D.S. Church Library in the same city.

SUMMER SESSION

Graduate students who do a part of their work at the University during the summer will find a wide range of graduate courses suited to their purposes. A full quarter of work is offered in the summer school, which is divided into two terms so that students may attend only part of the summer if they desire. Graduate students may register for a maximum of nine credit hours per term.

FELLOWSHIPS AND SCHOLARSHIPS

10 Fellowships which provide free tuition and remission of fees plus \$1,000.

5 Scholarships which provide free tuition and remission of fees plus \$750.

5 Scholarships which provide free tuition and remission of standard fees.

These fellowships and scholarships are awarded solely on the basis of high academic achievement and are available to students in all areas of graduate study. Recipients must possess a standard baccalaureate degree at the beginning of the period for which the fellowship or scholarship is granted and be a candidate for a higher degree. Applications for the academic year beginning in September should be filed by the preceding March 15.

Teaching and Laboratory Assistantships. Many departments employ graduate students as teaching or laboratory assistants. Assistantships are awarded on the basis of scholastic accomplishments and competence for service. Remuneration is based on the time which is devoted to teaching duties. The stipends vary from \$125 to \$1800 per year, not including tuition and fees. Application forms and detailed information can be obtained by writing to the chairman of the department in which the applicant wishes to become an assistant.

Research Assistantships and Fellowships. A substantial number of research assistantships and fellowships are available at Brigham Young University. Recipients work part time under the supervision of a faculty member on research projects which are supported by University, government, or private sources. The awards vary from \$1,200 to \$1,800 per school year, depending upon the type of research and the amount of time devoted to it. Students interested in appointments to research assistantships or fellowships should direct inquiries to the Director of Research or to the chairman of the major department.

Admission Procedure

A bachelor's degree or its equivalent from an accredited college or university is required for admission to the graduate school. Admission is by means of registration permits issued by the University Office of Admissions; application forms will be furnished by that office on request. Official transcripts of credit covering all work at institutions attended must be filed with the Office of Admissions before registration permits can be issued.

Permission to register for graduate work does not in itself imply that the student is accepted or will be accepted as a candidate for an advanced degree. Application for acceptance as a degree-seeking student is a separate and subsequent step to be initiated by the student himself at the Office of the Graduate School.

**Admission to the Graduate School
On a Degree-Seeking Basis**

APPLICATION

After a student has been officially admitted to graduate study by the University Office of Admissions, he is eligible to apply for classification as a degree-seeking student. This is accomplished by (1) completing the application form furnished by the Graduate School Office, and (2) submitting statements of recommendation from three persons who can certify to his fitness for graduate work. At least one recommendation must be from an instructor in the student's major field and at least one from an instructor outside of that field. The recommendation forms are provided by the Graduate School.

As soon as credentials are complete, they will be sent to the Chairman of the Department in which the student proposes to do his major work. There the applicant's fitness for graduate work is considered and recommendations are made if extra course work is required to make up background deficiencies. Such supplementary work may be taken in the University after registration for graduate study. Foreign students especially are urged to correspond with the head of the department concerned to ascertain whether their preparatory work will be acceptable to the department and the Office of Admissions.

GRADUATE RECORD EXAMINATION

All students applying for admission to the Graduate School on a degree-seeking basis are required to take the Graduate Record Examination before registration or early in the first quarter of study. These examinations are administered in Utah and elsewhere four times yearly. For information on dates, registration, and costs, write to Educational Testing Service, Box 27896, Los Angeles 27, California.

The Graduate Record Examination is an educational achievement test for persons entering any field of graduate study. The results are charted and compared with averages of selected groups of graduate students. If a student receives a low score, he may not be admitted as a degree-seeking candidate until he has satisfactorily completed one quarter of graduate work at this University.

General Requirements for Advanced Degrees

SPECIAL COMMITTEE

The student's program and his thesis are pursued under the direction and supervision of a Special Committee consisting of two members selected by the student from his major and minor fields after he has been admitted to the Graduate School as a degree-seeking candidate. The composition of the committee is approved by the head of the department in which the student is to do his graduate work. All faculty members who offer courses carrying graduate credit are eligible to serve as chairmen and members of Special Committees. The candidates shall secure the committee members acceptances and report them to the Dean on the appropriate form within six weeks of the date of first registration as a degree-seeking student.

A student may change the membership of his Special Committee with the approval of all members of the newly constituted committee and the Dean of the Graduate School. After such a change he reviews his entire program with the new committee.

CREDITS

Amount and Distribution. The master's degree requires the completion of 45 or more quarter hours of credit, at least 30 hours of which must be approved by the Special Committee prior to registration. Courses shall be in the 200 or 300 series, except that up to 15 hours of upper division (100 series) credit may be used if the courses are approved by the Special Committee at the time of registration. Such courses must be starred and initiated by the Special Committee Chairman or Department Head on the student's registration card.

At least 23 of the hours must be in the major field and at least 15 in a minor field; at least three-fourths must be of grade B or better, and none may be of a grade lower than C. At least 15 hours in the major field and 10 hours in the minor field must consist of courses for which there is a systematic body of subject matter identified with a given course number such as ordinarily constitutes a formal course. Seminars, special readings, and special problems may not be included in these totals.

Graduate Credit for Seniors. If during the last quarter of the senior year, a candidate for a baccalaureate degree finds it possible to complete all requirements for such a degree with a registration of fewer than sixteen quarter hours of undergraduate credit, he may register with the Dean of the Graduate School for graduate credit to the extent that the total registration shall not exceed sixteen quarter hours during the quarter. Written verification that all requirements have been met must be obtained from the appropriate undergraduate dean and presented to the Dean of the Graduate School prior to such registration. Students who exercise this privilege must be willing to limit their course loads as do graduate students. This is the only condition under which an undergraduate student may receive graduate credit for a course and this registration does not constitute admission to the Graduate School.

Transfer Credit. Graduate credit up to 15 quarter hours may be transferred from other institutions upon the approval of the student's Special Committee and the Graduate Council. Forms for petitioning for such transfers are available in the office of the Graduate School. Credit transferred must represent work which is a fair and reasonable equivalent of corresponding work in this University.

Extension Credit. A graduate student may earn credit toward the master's degree for courses given through the Extension Division of Brigham Young University provided such courses are approved by his Special Committee and by the Dean and the Graduate Council.

Limitation of Transfer, Extension, and Upper Division Credit. Not more than 15 quarter hours of combined extension, starred upper division and transferred work may be applied toward the requirements for an advanced degree, and such credit cannot be used to reduce the residence requirements to less than the minimum of 30 quarter hours to be completed on the Brigham Young University campus. Extension credit acquired at other institutions and credit gained by special examination and correspondence will not be accepted.

ENGLISH 201

Students whose ability to write clearly and correctly is not deemed satisfactory by the department involved are required to enroll in English 201, a non-credit course in Problems in Thesis Writing. The course is equivalent to two credit hours and is regarded as part of a student's registration for that amount. It should be taken at the earliest possible time.

RESIDENCE

Of the 45 quarter hours required for the master's degree, at least 30 quarter hours of approved courses must be taken in residence on the Brigham Young University campus. Residence shall be defined as registration and attendance in courses, seminars, field classes, or other types of instruction conducted on the campus of the University during a regular quarter.

STUDENT LOAD

No candidate for the master's degree will be permitted to register for more than 16 quarter hours in any one quarter. Teaching assistants and others employed approximately one-half time should limit their loads to not more than 12 quarter hours, and full-time employes to not more than 5 hours. Experience has shown that because of the intensive character of graduate work and the academic grade-point average required, it is usually advisable for graduate students to limit their programs to something less than the maximum permitted when employed on a full or part-time basis.

MASTER'S THESIS

Procedure. The prospective candidate for the master's degree enrolls for a thesis (course 300) in his major department, preferably two quarters before the scheduled completion of his program. A student whose major is English, or Music Theory, or Theatre and Dramatic Art, or Painting and Sculpture, or Design, may substitute for the thesis requirement a piece of creative work. At the beginning of his research or creative work the student must provide the chairman of his Special Committee with an outline or prospectus and secure approval on a form provided by the Graduate School. He is required to complete at least one full quarter of residence study after the date on which the form and prospectus are delivered to the Dean. A complete, signed, but unbound copy of the thesis must be on file in the office of the Graduate School and with the Chairman of the Special Committee 15 days prior to the final examination and not later than 30 days before graduation.

Style and Form. Kate Turabian, *A Manual for Writers of Dissertations*, shall be used as the guide. Other manuals may be used for supplementary help where needed, but the Turabian manual shall take precedence in any case of difference.

Paper. The first copy of the thesis must be on 16 pound bond, with 100 per cent rag content, with water-marked margins, 1¼ inch on the left and 1 inch in the other margins, the grain of the paper to run the long way of the page. Other copies should be on 100 per cent rag content bond paper, not lighter than 13 pound, and may be without the water-marked margins.

Carbon Copies. Carbon copies must be made with Carter's Midnight Carbon Paper or equivalent, carbons to be changed often enough for acceptable legibility.

Typing. Typing must be done with standard elite or pica type, but not with both; spacing may be either 1½ or double.

Reprints. Should the thesis be published, reprints may be substituted for the typed copies, provided they are in acceptable form for binding.

Binding. For the sake of uniformity, binding must be done through the Students' Supply Association.

Delivery of Thesis. The student's responsibility for binding and delivery of the thesis is completed upon submission to the Graduate Dean, a receipt from the Students' Supply Association indicating delivery to it of the original and first and second

carbon copies (identified as such in pencil on the title pages), ready for binding, and upon payment of the binding fee.

Abstracts. Each candidate is required to furnish abstracts of his master's thesis, one abstract to accompany each copy of the thesis. The abstract is to have a maximum word limitation of 1400 words and should be bound with the thesis, following the bibliography.

APPROVAL FOR GRADUATION

Securing of approval for graduation and permission to schedule the final examination is the responsibility of the candidate. At the time of registration, the student should indicate on the registration card that the courses for which he is presently enrolled will complete all credit requirements for the master's degree in order that the proper steps may be taken in processing his graduation.

FINAL ORAL EXAMINATION

The passing of a final oral examination not fewer than fifteen days prior to graduation is required. It is the duty of the student to schedule the final examination after obtaining from the Chairman of his major department the names of the examining committee. Forms are available for this purpose.

The examination is conducted by a committee of five voting members, to be made up of the members of the Special Committee and others appointed by the Chairman of the major department. The Chairman of the Special Committee is in charge of the examination. Four affirmative votes are needed to pass. Other members of the Graduate Faculty are encouraged to attend the examination and enter the discussion, but they may not vote.

TIME LIMIT

All requirements for the master's degree must be completed within six years from the date when the student registers for the first graduate work which is applied toward the degree.

DEGREES

MASTER OF SCIENCE DEGREE

The master of science degree is awarded upon completion of the requirements listed above.

MASTER OF ARTS DEGREE

The master of arts degree is awarded upon completion of the requirements listed above, plus satisfaction of the foreign language requirement for the A.B. Degree.

MASTER OF EDUCATION DEGREE

The master of education degree is awarded upon completion of the requirements for the master of science degree, with the following exceptions: (1) a satisfactory field project (course 301) may be substituted for the thesis, and (2) a total of 45 hours credit shall be presented in addition to the field project.

The project shall be a study of a practical problem in the field of the candidate's interest as a teacher. The problem is selected and developed by the student, subject to the approval of his Special Committee. A prospectus must be filed in the office of the Graduate School at the time of registration for the project. The finished report on the project shall conform to the requirements for a thesis in matters of style, format, and manner of filing. It is recommended that a candidate complete not less than one year as a teacher before beginning the field project.

STUDENT PERSONNEL SERVICES

The administrative unit of Student Personnel Services is responsible for the following areas of campus activity: Student Orientation; Information Center; Counseling Service; Student Academic Standards; Student Health Services; Student Organizations and Activities; Security Office; Program and Personnel for Student Housing; Scholarships, Fellowships, Assistantships, and Academic Grants; Student Employment; and Scheduling of Campus Events.

DEAN OF STUDENTS

The Dean of Students is Director of the Special Services of the University. As such, he is expected to coordinate the agencies at work on student problems. He initiates and recommends to the President needed policies and procedures in student life. It is his responsibility to administer the program recommended or approved by the President in the various areas of the Special Services.

COUNSELOR FOR WOMEN

Of special assistance to women students is a Counselor for Women. She is a member of the Committee on Student Personnel Services and Chairman of the Committee on Women's Affairs. The Counselor for Women is available throughout each day to assist women students in meeting their personal problems.

PERSONAL CONDUCT

The Latter-day Saints support a high standard of morality in all phases of life. Those who accept the advantages of the University are expected, and in all fairness will want to assist the institution in maintaining those standards. Behavior contrary to the standards constitutes a breach of faith unworthy of intelligent honorable people, in their role as guests.

Specifically, students are asked to observe three aspects of morality. The Christian laws of sexual morality stand first in importance. The personal habits of the individual are expected to include non-use of liquor, tobacco, and any form of drugs; the maintenance of cleanliness in person and language, and consideration for others in all relationships. In academic and intellectual matters the student is expected to honor the regulations governing use of all University facilities, attend his classes and apply himself to his studies, and conduct himself in examinations and all other situations in conformity with the Honor System.

LOAN FUNDS

A considerable number of loans are made to worthy and needy students. These are available to all students on the basis of their qualifications and need for financial assistance.

SCHOLARSHIPS, ASSISTANTSHIPS, AND AWARDS

Graduate Assistantships. A number of departments of the University employ graduate students on a part-time basis. The remuneration varies according to the nature of the work and the training and experience of the applicant.

Students who secure such appointments are necessarily limited in the number of courses for which they may register, and in the residence they accumulate.

In addition to the above, there are scholarships and research fellowships available which provide free tuition and fees plus additional cash payments of amounts up to one thousand dollars.

All applications for scholarships, fellowships, assistantships, and awards should be addressed directly to the Chairman of the Committee on Scholarships and Awards.

STUDENT EMPLOYMENT

The chairman of Student Employment assists worthy students in finding employment. This includes assistance not only in placing

students in positions within the University campus, but also in finding part-time employment in off-campus jobs and work for board and room. Students are not encouraged to attempt to earn their entire way through school, since this ordinarily takes too much time from their studies. (See Scholarships.)

PLACEMENT BUREAU

A full-time placement bureau exists on the campus for the purpose of assisting graduates in finding desirable positions in their fields in business, industry, and education. This office works in close cooperation with deans and department heads.

The placement service includes a placement library where interested students may find books, articles, magazines, and brochures that will acquaint them with companies in which they may be interested and also books and pamphlets which will give advice on such matters as how to conduct oneself in an interview, the best ways of finding employment, etc.

All graduate students who wish to use this service are urged to register with the Placement Bureau early in the school year in which they will be available for full-time employment so that the office may begin early to prepare for giving the most effective possible assistance in finding employment. No charge is made for this service.

STUDENT HEALTH SERVICE

All new students seeking admission to the University will be furnished with a medical examination form by the Admissions Office. This form must be completed by a licensed M.D. and returned to the Admissions Office.

Student health fees are used by the University for follow-up examinations, health guidance, care of minor illnesses, injuries of ambulatory nature, and such surgery and hospitalization as shall be designated from time to time by the University Committee on Student Health.

HOUSING

Board and Room for 426 men are provided in Allen Hall and Wymount Residence Halls. Rental rates for men are \$450 for the school year.

Family accommodations for 200 married couples and their children are provided in a housing development known as Wymount Village. Rates are from \$31.50 to \$36.50 depending upon the number of rooms in the apartment.

There are two types of campus housing for women:

1. Board and Room Facilities at Amanda Knight Hall and at Knight Mangum Hall. These facilities cost \$450 per school year.
2. Cooperative Living Facilities at Heritage Halls and Co-op Houses. Rates for these facilities are approximately \$135 to \$210 per school year.

All resident students are expected, as a requirement of admission, to live in University-approved housing, whether it be on or off the campus. The Office of Student Housing has been established to assist students with their housing needs. This service is provided on a year-round basis, and all inquiries or problems relating to housing should be referred to this office.

FOOD SERVICES

Regular meal service is provided in the Allen and Wymount Residence Halls for men and in the Knight-Mangum and Knight Residence Halls for women. The University operates a cafeteria and snack bar in the Joseph Smith Building. The cafeteria serves three meals a day, and the snack bar is open throughout the day and evening. Cost of meals is kept as low as possible.

RELIGIOUS OPPORTUNITIES

Brigham Young University students have excellent opportunities for participation in religious activities. Among the organizations which make this possible are the following:

University Assemblies. Instructive programs and talks by general authorities of the Church are offered at regular devotional periods each week during the year.

BYU Stake of the Church. A new twelve-ward stake of the Church of Jesus Christ of Latter-day Saints has been organized on the campus to give greater participation in church activities to students attending the University. All single students, except those living at home with parents, are included in stake membership. Married students, except those living in Wymount Village, are permitted to choose whether they wish to attend a ward off the campus or the ward to which they are assigned on campus. The BYU Stake wards hold all of their meetings in University buildings.

The principal officers for the new stake organizations have been taken from among the faculty and from among outstanding church leaders in the community.

Other Programs. The University, through its various departments and special activities, presents numerous inspirational and instructive programs made up of music, drama, literature, and special lectures. These programs are open to all students and usually to all others who enjoy attending.

THE GRADUATE COUNCIL

THE GENERAL COMMITTEE

Professor Joseph K. Nicholes, at large, term expires January 1, 1957.

Professor B. F. Harrison, at large, term expires January 1, 1958.

Professor Russel B. Swensen, at large, term expires January 1, 1959.

Professor Leonard W. Rice, at large, term expires January 1, 1958.

Professor Raymond B. Farnsworth, College of Biological and Agricultural Sciences, term expires January 1, 1957.

Professor Richard L. Smith, College of Commerce, term expires January 1, 1957.

Professor Percy Burrup, College of Education, term expires January 1, 1957.

Professor Blaine M. Porter, College of Family Living, term expires January 1, 1958.

Professor Gerrit deJong, Jr., College of Fine Arts, term expires January 1, 1959.

Professor Richard D. Poll, College of Humanities and Social Sciences, term expires January 1, 1958.

Professor E. John Eastmond, College of Physical and Engineering Sciences, term expires January 1, 1958.

Professor C. J. Hart, College of Recreation, Health, Physical Education, and Athletics, term expires January 1, 1958.

Professor B. West Belnap, Division of Religion, term expires January 1, 1959.

Director of Research, H. Tracy Hall.

The Dean, Chairman ex officio.

The President, ex officio.

Chairman H. VERLAN ANDERSEN

He is a Certified Public Accountant and received his B.S. degree from B.Y.U. in 1940. He received his L.L.B. at Stanford in 1946 and his L.L.M. at Harvard in 1948. Professor Andersen is a member of Bars of California, Arizona, and Utah. At present a member of the American Accounting Association.



Accounting

Faculty

Associate Professors: R. J. Smith; Lowe.

Assistant Professors: H. V. Andersen (chairman); J. T. Bentley, Crandall, McIff.

Requirements

Prospective majors in this field must have as a minimum background, Accounting 1, 2, 149, 150, 151, 152 or the equivalent, and should preferably have a full undergraduate major in the field. In special cases, a student may be accepted for major study in the field when he has completed only Accounting 1 and 2, but he would be required to complete 150, 151, and 152 before taking any graduate work, and these courses would not be applied on his master's program. Accounting 149 may be taken at the same time other work is being taken at the graduate level.

Courses

280. **Advanced Accounting.** (5) A. Prerequisite: 152.
Bentley, E. Johnson
- 281, 282. **Industrial Internal Auditing.** (3-3) A.W. Prerequisites:
152 or 194 or equivalent. Staff
283. **Internal Auditing for Special Industries.** (3) S. Prerequisites:
Same as for 281. Staff
288. **Advanced Tax Problems.** (3) S. Prerequisite: 188. Andersen
293. **Reading and Conference.** (1-5) A.W.S. Subject to be arranged
with instructor. Staff
294. **Advanced Cost Accounting.** (3) S. Bentley
- 296, 297, 298. **C.P.A. Coaching.** (4-4-4) A.W.S. Prerequisites:
149, 152, 194, and the following which should be taken either
before or with C.P.A. Coaching: 187, 188, 280. E. Johnson
300. **Thesis for Master's Degree.** Staff



Chairman IVAN L. CORBRIDGE

Ivan L. Corbridge received his B.S. degree from Utah State Agricultural College in 1946; M.S. University of Chicago in 1948; Ph.D., Washington State College, 1952. He served on the faculty at Washington State College from January, 1942 to September, 1952; at which time he joined the faculty at B.Y.U.

Farm Management and related fields capture his principal interests which are more than academic; considerable practical experience supplements the text book in his class.

Agricultural Economics

Faculty

Professor: Farnsworth.

Associate Professors: Corbridge (chairman), Nelson.

Requirements

A graduate degree is not currently offered in Agricultural Economics but graduate credit in the following courses may be applied towards a minor in a field closely related to Agricultural Economics.

Courses

280, 281. Seminar (Arr.)	Staff
296. Individual Readings. (Arr.)	Staff
297. Individual Research. (Arr.)	Staff



Chairman

MERRILL J.
HALLAM



He graduated from Brigham Young University with an A.B. degree in 1950 and from Iowa State College with a Ph.D. degree in 1952, specializing in soils. He is a recognized authority in soil microbiology, much of his work has dealt with microbiological studies of organic matter maintenance and soil fertility. At the present time, he is engaged in soil fertility research as it pertains to the potassium problem of the intermountain area. He also supervises research in soil fertility on his own farm.

Agronomy

Faculty

Professors: Martin, Farnsworth.

Associate Professors: Hallam (chairman), Allred, Ashton.

Requirements

Students preparing for graduate work in Agronomy are urged to obtain a thorough knowledge of introductory physics, zoology, chemistry, mathematics, botany, bacteriology and geology. Opportunity will be afforded for further study in some of these subjects after entering the Graduate School, but a student deficient in these foundation courses cannot expect to receive an advanced degree in the minimum time required for residence.

The Agronomy Department has established the following minimum requirements for permission to study toward a Master's Degree.

(1) An undergraduate minor in Agronomy (a major is preferred).

(2) A satisfactory completion of the following undergraduate courses: Chemistry 14, 15, 16, 21, 22, (31 preferred); Mathematics 11, 12, 13; Geology 1, 12; Bacteriology 21; Physics 41, 42, 43; Zoology 11; Botany 1, 3, 140, 150. If a student is emphasizing crops, the botany courses 140 and 150 may be taken as a graduate student, and need not necessarily be completed as undergraduate credit, as they must if one is emphasizing soils. If, however, these botany courses have been taken as an undergraduate, more time will be afforded for graduate courses.

Courses

- | | |
|--|------------|
| 201. Advanced Soil Physics. (4) W. | Farnsworth |
| 205. Chemistry of Soil-Plant Relationships. (3) A. | Hallam |
| 214. Soil Microbiology. (3) S. Prerequisites: 105; Bacteriology 21. | Hallam |
| 215. Soil Microbiology Laboratory. (2) S. Prerequisites: 214; Chemistry 31, 32 or equivalent. Accompanies microbiology lectures. | Hallam |
| 259. (Advanced Plant Breeding.) (3) A. | Allred |
| 273. Advanced Range Management. (1-4) A.W.S. | Stewart |
| 294. Seminar. (1) A.W.S. | Staff |
| 295. Special Problems. (Arr.) A.W.S. | Staff |
| 297. Research. (Arr.) A.W.S. | Staff |
| 299. Agricultural Literature. (Arr.) A.W.S. | Staff |
| 300. Thesis for Master's Degree. | Staff |

See also Botany 268 and Chemistry 264, 265, which may be counted in this field.



Chairman

**LAWRENCE
MORRIS**

He received his B.S.A. from the University of Arizona in 1925; M.S. from Texas A&M in 1928; and Ph.D. from Louisiana State University in 1939, all in animal nutrition.

He is a member of the Poultry Science Association, American Poultry Association, and other scientific organizations, has been in poultry teaching and research at Oklahoma A&M College and the University of Wyoming. His research work has been centered around protein quality and fiber in poultry feeds, vitamin requirements of poultry, and oxygen requirements for chicken and turkey incubation at elevations about 4,000 feet. Presently Secretary-Treasurer of Utah Feed Manufacturers and Dealers Association and formerly a member of the National Nutritional Council. He has written many bulletins on poultry production and popular articles on all phases of poultry management. Former President of Poultry Section of Southern Agricultural Workers. At present he is on Utah State Poultry Council and Feed Advisory Committee.

Animal Husbandry

Faculty

Professor: Morris (chairman).

Associate Professor: Richards.

Assistant Professors: Shumway, Nicholes.

Requirements

Full graduate standing as a major in this field requires a background equivalent to Animal Husbandry 5, 7, 15, 32, 111, 112, 174, 175, and 176. Those who have their bachelor's degree, and who have completed 7, 15, 111, and 112, may be admitted provisionally, while they complete the rest of the background. Permission to minor in the field requires a minimum of 7, 15, 111, and 112 or the equivalent.

Courses

- | | |
|--|-------------------|
| 201. Animal Breeding Research. (1-5) A.W.S. | Richards |
| 202. Special Problems in Animal Breeding. (1-5) A.W.S. | Richards |
| 207. Animal Nutrition. (3) S. Prerequisites: 7, 107. | Shumway |
| 210. Problems in Animal Nutrition Research. (1-5) A.W.S. | Shumway |
| 211. Special Problems in Animal Nutrition. (1-5) A.W.S. | Shumway |
| 215. Animal Breeding Plans. (3) A. | Richards |
| 220. Problem in Dairy Research. (1-5) A.W.S. | Richards, Shumway |
| 221. Special Problems in Dairying. (1-5) A.W.S. | Richards, Shumway |
| 230. Animal Disease Research. (1-5) A.W.S. | Nicholes |
| 231. Special Problems in Animal Disease. (1-5) A.W.S. | Nicholes |
| 271. Secretion of Milk. (3) S. | Shumway |
| 260. Experimental Methods in Livestock Work. (3) W. | Richards |
| 275. Graduate Seminar. (1) S. | Richards |
| 300. Thesis. | Staff |

Chairman

M. WELLS
JAKEMAN



Associate Professor of Archaeology at Brigham Young University. Dr. Jakeman was awarded an M.A. degree in Near Eastern Archaeology at the University of Southern California and a Ph.D. degree in ancient American studies at the University of California. He was the first Latter-day Saint ever to earn a doctorate in the field of archaeology. In 1946 he founded the Department of Archaeology at Brigham Young University, over which he still presides as chairman. In 1949 he founded the University Archaeological Society, a scholarly organization specializing in the archaeology of the scriptures, with headquarters at B.Y.U. and a membership spread throughout the world, and has since served as its president and the editor of its Bulletin.

Dr. Jakeman is the author of *The Origins and History of the Mayas* and of various articles in archaeological journals, and the editor of *Discovering the Past*. He has traveled extensively in Middle America, has conducted two Brigham Young University expeditions to Mexico and Central America, and is currently leading a third expedition sponsored by the University Archaeological Society.

Archaeology

Faculty

Associate Professor: Jakeman (chairman).

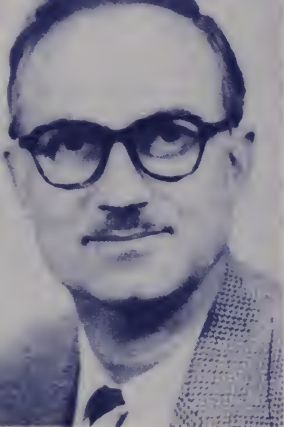
Assistant Professor: R. T. Christensen.

Field: Archaeology Requirements

Admission as a graduate major in Archaeology requires evidence of previous completion of an undergraduate major in this subject, or equivalent background.

Courses

- | | |
|--|-------------|
| 201. History and Theory of Archaeology. (Not given this year.) | |
| (2). | Christensen |
| 221. Archaeological Surveying. (Not given this year.) | (2). |
| | Christensen |
| 231. Ceramic Topology. (Not given this year.) | (1) Jakeman |
| 250. Studies in Comparative Stratigraphy: Old World. | (2) A.W.S. |
| | Staff |
| 260. Studies in Comparative Stratigraphy: Americas. | (2) A.W.S. |
| | Staff |
| 271, 272. Maya Hieroglyphics. (2-2) A.W. | Jakeman |
| 275. Seminar in Mesoamerican Archaeology. (1) S. | Staff |
| 285. Seminar in General Comparative Archaeology. (1) S. | Staff |
| 294. Library and Museum Research. (2) A.W.S. | Staff |
| 297. Field Research. (3, 5, or 8) A.W.S. | Staff |
| 300. Thesis for Master's Degree. (1-6) | Staff |



Chairman

CONAN B.
MATHEWS

Conan B. Mathews is a noted western artist whose works have been exhibited in shows throughout Idaho, California, Washington, and Utah. He has received many awards and honors while having his work exhibited in California, Utah, Kansas, Colorado, Massachusetts and New York.

He has served as the academic dean of Boise Junior College in Idaho for 10 years prior to which time he served as acting president of the Boise school and as head of the art department. He has attended the Otis Art Institute, the Colorado Springs Fine Arts Center, the Art Student League of New York, the Columbia Teachers College, the University of Colorado, and received both the B.S. and M.S. degrees from Brigham Young University. He has worked as an interior designer for the American Decorating Company in San Francisco, and as a display and advertising artist. He has written dozens of articles for art, education and general circulation magazines.

He received his B.A. degree from the College of Idaho in 1936, and his M.F.A. from the University of Utah in 1950.

Art

Faculty

Associate Professor: Cowan E. Mathews (chairman, 296E).

Assistant Professors: Gunn, Turner, W. Wilson.

Special Instructor: L. Taylor.

Fields: Design, Painting and Sculpture

Requirements

Students who expect to major in Art should include in their preparation four hours of lower division design, eight hours of lower division drawing, nine hours of art history (upper division); and twenty-four hours of upper division work in one of the areas of specialization as outlined in the undergraduate catalog.

Courses

- | | |
|---|--------|
| 202. Composition. (2) W. | Turner |
| 211. Contemporary Mural Design. (2-4) W. | Andrus |
| 215. Period Furnishings. (3) A. | Taylor |
| 216. Decorative Material for Interior Design. (3) W. | Taylor |
| 217. Practical Problems in Interior Design. (3) S. | Taylor |
| 221, 222, 223. Advanced Drawing and Painting. (Arr.) A.W.S. | Andrus |
| 224, 226. Landscape Painting. (Arr.) A.S. | Turner |
| 225. Still-Life Painting. (Arr.) W. | Turner |
| 227, 228, 229. Pictorial Composition. (Arr.) A.W.S. | Turner |
| 233, 234, 235. Advanced Water Color. (Arr.) A.W.S. | Turner |
| 239. Lettering and Layout for Reproduction. (Arr.) A.W.S. | Gunn |
| 242. Various Media in Illustration. (Arr.) W. | Gunn |
| 250. Experimental Relief Printing. (Arr.) A. | Andrus |

- | | |
|---|--------|
| 251. Color Lithography and Etching. (Arr.) W. | Andrus |
| 252. Seriography. (Arr.) W. | Andrus |
| 256, 257, 258. Advanced Sculpture. (Arr.) A.W.S. | Turner |
| 265. Ceramics. (Arr.) A.W.S. | Wilson |
| 266. Metal Work and Jewelry. (Arr.) W. | Staff |
| 267. Wood Sculpture. (Arr.) S. | Staff |
| 271. Survey of Recent Studies in Art Education. (3) A. | Gunn |
| 274, 275, 276. Portrait and Figure Design and Painting. (Arr.) A.W.S. | Andrus |
| 280, 281, 282. Design and Painting Mural Types. (Arr.) A.W.S. | A.W.S. |
| | Andrus |
| 283, 284, 285. Studio Art. (Arr.) A.W.S. | Staff |
| 286, 287, 288. Studio Art. (Arr.) A.W.S. | Staff |
| 290, 291, 292. Color. (2-2-2) A.W.S. | Andrus |
| 299. Seminar. (1-1-1) A.W.S. | Staff |
| 300. Thesis for Master's Degree. | Staff |





Chairman DON H. LARSEN

Don H. Larsen received his B.S. degree at the B.Y.U. in 1940; M.A. at the University of Nebraska, 1942; and his Ph.D. at the University of Utah in 1950.

He was bacteriologist for three years with Commercial Solvents Corporation and carried on research in the production of vitamins and antibiotics by microorganisms.

For three years he was instructor at the University of Utah; for two years an assistant professor at the University of Nebraska; and for four years an assistant professor and associate professor at B.Y.U. His special fields of interest are Industrial and Medical Microbiology. Honorary and professional societies of which he is a member are Phi Kappa Phi, Sigma Xi, Phi Lambda Upsilon, American Society of Bacteriologists.

Bacteriology

Faculty

Professors: J. V. Beck, Martin (emeritus).

Associate Professors: D. H. Larsen (chairman), Hallam.

Assistant Professor: D. M. Donaldson.

Requirements

Students selecting Bacteriology as a graduate major must have completed 20 quarter hours in this field before they can earn graduate credit in the major field. Adequate preparation for graduate work in the Department of Bacteriology presupposes satisfactory training in the physical and biological sciences. If a student is deficient in foundation courses, opportunity will be given after entering graduate school to correct these deficiencies. However, such a student must show outstanding natural and academic abilities and will not be able to receive the advanced degree in the minimum time required for residence. Prior to acceptance as a graduate major in the Department of Bacteriology credit will be evaluated with particular emphasis placed on the applicant's training in qualitative, quantitative, organic and biological Chemistry, mathematics, zoology, botany and physics.

Courses

201, 202, 203. **Advanced Microbiology.** (5-5-5) A.W.S. Prerequisite: Graduate standing in bacteriology or chemistry.

Beck, Larsen

231. **Virology.** (5) W.

Donaldson

241. **Advanced Immunology.** (3) S.

Donaldson

294. **Graduate Seminar.** (1-1-1) A.W.S.

Staff

299. **Research to furnish data for thesis.** (Arr.) A.W.S.

Staff

300. **Thesis.**

Staff

See General Catalog, Agronomy 292, 293; Chemistry 237, 251, 262, 282, and Botany 245, which may be applied in this field.

Chairman

BERTRAND F.
HARRISON



Dr. Harrison began his professional career as a Ranger Naturalist at Yellowstone National Park as a Research Associate at the American Smelting and Refining Company Agricultural Research Laboratory at Salt Lake City.

He has served in a number of civic and professional capacities such as: Chairman of the Education Committee of the Utah Wildlife Federation; President of the Utah Academy of Science, Arts and Letters; and is currently a member of the State Department of Instruction Biology Curriculum Committee. He is a member of such scientific societies as: Botanical Society of America, American Society of Plant Taxonomists, California Society of Botany, Utah Academy of Sciences, and Society of the Sigma Xi.

Dr. Harrison received his B.S. and M.S. degrees from the B.Y.U. in 1930 and 1931. He received his Ph.D. from the University of Chicago in 1937.

Botany

Faculty

Professor: Harrison (chairman, 232 B).

Assistant Professors: K. H. McKnight, E. M. Christensen, Stutz.

Instructor: Murdock.

Requirements

The following courses carry **only** graduate credit. A graduate course may be used by an advanced undergraduate in his baccalaureate program if he secures the permission of the instructor prior to registration and meets the requirements made of the graduate students.

Courses

- 215. *Cytogenetics. (4) S. Prerequisite: Botany 112. Three lectures and one two-hour laboratory period per week. Stutz
- 231. Advanced Taxonomy. (2-5) S. Prerequisites: Botany 3, 18. Stutz
- 236. Agrostology: Taxonomy and Ecology of Grasses. (3) A. Prerequisite: Botany 3. Botany 18 recommended. Harrison
- 245. Plant Nutrition and Growth. (3) A. Prerequisites: 140; Chemistry 14, 15, 16. Organic Chemistry recommended. Harrison
- 252. Field Ecology. (2) S. Prerequisite: Consent of Instructor. Murdock
- 254. Methods in Range Management. (3-5) S. Prerequisites: 150, 155. Christensen
- 259. Range and Forest Ecology. (2-4) A.S. Prerequisite: Consent of Instructor. Harrison, Murdock
- 260. Experimental Ecology. (3) S. Prerequisite: 140, 150. Harrison
- 268. Conservation of Natural Resources. (2-5) A.W.S. Prerequisite: Consent of Instructor. Christensen, Murdock
- 285, 286. Seminar. (1-1) A.W. Staff
- 290, 291, 292. Special Problems. (2-5) A.W.S. Staff
- 300. Thesis for Master's Degree. Staff

* New course approved by Presidency.



Chairman H. SMITH BROADBENT

Chairman, Department of Chemistry and Chemical Engineering Sciences.

Dr. Broadbent received his B.S. degree from the Brigham Young University in 1942, and his Ph.D. degree from Iowa State College in 1946. At the Brigham Young University he has been an assistant professor and an associate professor and is now a full professor on the faculty.

He was Office of Scientific Research and Development Research Fellow, Iowa State College, 1943-1944; Senior Fellow, Iowa State College, 1944-1946; and Milton Fund Post-doctoral Research

Fellow, Harvard University, 1946-1947.

He is now a member of the American Chemical Society, Sigma Xi, Phi Lambda Upsilon; a past chairman of Chemistry Section of the Utah Academy of Sciences, Arts, and Letters; and past chairman of the Salt Lake Section of American Chemical Society.

He has published research on reaction mechanisms, catalytic hydrogenation, organometallic compounds, various organic heterocycles, sulfur compounds, etc.

Chemistry

Faculty

Professors: Broadbent (chairman, 225 ESC), Bryner, Goates, Hall, J. K. Nicholes.

Associate Professors: K. P. Anderson, Blackham, K. L. Nelson, H. W. Peterson, A. D. Swenson, Vernon.

Assistant Professors: B. Brown, Butler, Wing, Wiser.
Superintendent of Laboratories: Meibos.

Fields

(1) Analytical Chemistry; (2) Biochemistry; (3) Inorganic Chemistry; (4) Organic Chemistry; (5) Physical Chemistry.

Requirements

Conditional standing as a graduate major in some field of chemistry will be granted a student who has completed Chemistry 14, 15, 16, 31 (or 21 and 22), 151, 152, 153 (or 161, 162, 163) provided he will complete the additional work required by the department for an undergraduate major in Chemistry or its equivalent as the minimum background. Further details on recommended background may be obtained by consultation with the Department chairman. A student who wishes a graduate minor in some field of chemistry will be required to present credit in Chemistry 14, 15, 16, 31, (or 21 and 22) or its equivalent as prerequisite background. All requirements for the Master's degree are in addition to these entrance requirements.

For the purpose of allocating credit in a given course to one of the various fields in chemistry, the following courses may be considered as applying to any one of the fields desired since they are basic to all the fields: Chemistry 237, 261, 262, 267.

Courses

211. Systematic Inorganic Chemistry. (3) A. Prerequisite: 111.
Peterson

212. **Theoretical Inorganic Chemistry.** (3) W. Prerequisite: 111, 163, 211. Nelson
213. **Inorganic Synthesis.** (3) S. Prerequisite: 211. Peterson
221. **Theory of Quantitative Analysis.** (3) S. Prerequisite: 132, 163. Butler, Anderson
222. **Microchemical Analysis.** (1-3) A.W.S. Prerequisite: 22 or 31. Wing
237. **Instrumental Analysis.** (2-3) S. Prerequisite: 163. Goates
251. **Qualitative Organic Analysis.** (3-4) A. Prerequisite: 153. Broadbent
- 252, 253. **Advanced Organic Chemistry.** (3-3) W.S. Prerequisite: 153, 163. Reactions, synthetic methods, structure, and mechanism. Broadbent, Nelson
254. **Organic Synthesis.** (2-3) W.S. Prerequisite: 153. Broadbent
- 261, 262. **Chemical Thermodynamics.** (4-4) A.W. Prerequisite: 163. Anderson
264. **Radiochemistry.** (3) S. Prerequisite: 163. Anderson
267. **Atomic and Molecular Structure.** (3) A. Prerequisite: 163. Blackham
- 281, 282. **Advanced Biochemistry.** (3-3) A.W. Prerequisite: 183. Swensen, Vernon
283. **Enzyme Chemistry.** (3-5) S. Prerequisite: 282. Vernon
290. **History of Chemistry.** (3) S. Nicholes
297. **Research.** Staff
300. **Thesis for the Master's Degree.** Staff





Chairman **ELMER MILLER**

Elmer Miller has been on the Brigham Young University faculty since 1923. Previous to that time he was principal of several Utah high schools (Pleasant Grove, South Sanpete, Lehi, and Davis County High Schools). He was superintendent of the Alpine School District and also of the St. George Schools. He taught at Dixie College for one year. He is a member of the Pacific Coast Economic Conference.

He received his B.A. degree from the Stanford University in 1914 and has done graduate work at the University of Chicago and one year at Harvard University.

Economics

Faculty

Professor: Miller (chairman).

Associate Professor: Corbridge.

Instructor: Davies.

Requirements

Full graduate standing is granted students who have completed a minimum of 21 hours of economics, which is represented by courses 1, 2, 74, 106, and 194, or the equivalent. Provisional standing may be given a student who has completed courses 1, 2, and 74, with the understanding he will complete the other courses in addition to his graduate requirements. A minor in the field may be taken by one who has completed courses 1 and 2, provided he will also complete 106 as part of his background.

Courses

- | | |
|---|-----------|
| 262. Collective Bargaining and Industrial Relations. (3) W. Pre-requisite: 161. | Davies |
| 263. Labor Law. (3) S. Prerequisite: 161. | Davies |
| 278. International Trade and Finance. (3) A. | Corbridge |
| 295. Advanced Economic Theory. (5) W. Prerequisite: 194. | Staff |
| 296, 297, 298. Research. (Arr.) A.W.S. | Miller |
| 299. History of Economic Thought. (5) S. | Davies |
| 300. Thesis for Master's Degree. | Staff |

The following courses will be recognized as applying on a major in Economics: Marketing 285, Finance and Banking 201, 254, and 268, Agr. Econ. 292, and History 274.

Chairman

**PERCY E.
BURRUP**



Percy E. Burrup received his B.S. and M.S. degrees from Utah State Agricultural College in 1932 and 1941 respectively, and his Ed.D. from Colorado State College of Education in 1951.

He has had wide experience as a school superintendent and school principal. He has done considerable work in school district reorganization and school surveys. He is Director of Research in the Utah State Department of Public Instruction, and coordinated the educational research for the Utah Public School Survey Commission.

He has written a number of magazine articles dealing with financing transportation and financing extra-class activities.

Educational Administration

Faculty

Professors: Burrup (chairman), Clarke, Moffitt, Morrill, Woolf.

Associate Professor: Barnett.

Assistant Professor: Shirts.

Requirements

Graduate Majors and Minors

Graduate Majors in Educational Administration are required to take the following five courses:

Ed. R. & S. 115. Statistical Methods.

Ed. R. & S. 218. Educational Research and Thesis Writing.

*Ed. Admin. 200. Organization and Administration of Public

Schools.

*Ed. Admin. 205. Public School Finance.

*Ed. Admin. 225. Supervision of Education.

(The starred courses (*) above are required also for students minoring in Educational Administration.)

The additional courses necessary to obtain the twenty-three hours for a Major are to be selected by the student with the approval of his Committee Chairman from the courses listed in this Department.

The additional courses (6 hours) for a Minor in Educational Administration are also to be selected by the student and his Committee Chairman from the offering in this Department.

Courses

200. Public School Finance. (3) A.S.Su. Burrup, Barnett
201. Public School Building Programs. (3) A.S.Su. Barnett, Morrill

203. School Law. (3) A.Su. Burrup

205. Organization and Administration of Public Schools. (3) A.W.S.Su. Morrill, Burrup

209. Personnel Problems of the School Staff. (3) A.W.Su. Barnett, Clarke

211. The Elementary School Principalship. (3) A.S.Su. Morrill

212. The Junior High School. (3) A.S.Su. Woolf, Clarke
 213. The Senior High School. (3) W.Su. Clarke, Woolf
 214. Work of the Secondary School Principal. (3) W.Su. Woolf, Morrill
 218. College and University Organization and Administration. (Not given 1956-57). (3). Staff
 225. Supervision of Education. (3) A.W.S.Su. Clarke, Woolf
 226. School-Community Relations. (3) W.Su. Moffitt, Morrill
 230. Business Administration of the Public Schools. (2) W. Su. Burrup, Barnett
 231. Administration of Auxiliary Services. (3) W.Su. Shirts, Barnett
 234. Administration of Pupil Personnel. (3) W.Su. Shirts
 235. Social Foundations of Education. (3) (See Sociology 176)
 236. Problems of Taxation and Financial Support of Public Institutions. (3) (Not given this year.) (See Economics 167)
 237. Research and Survey Procedures in Educational Administration. (3) A.Su. Staff
 238. Workshop Procedures in Educational Administration. (2) W.Su. Staff
 239. Evaluation and Accreditation of Educational Institutions. (3) W.Su. Staff
 294, 295. Independent Readings. (1-3) A.W.S. Staff
 296, 297. Seminar. (1-3) A.W.S. Staff
 298, 299. Independent Research. (1-3) A.W.S. Staff
 300. Thesis for Master's Degree. Staff
 301. Field Project. Staff



Chairman

STERLING G.
CALLAHAN



After release from the service Dr. Callahan entered the School of Education at George Washington University in Washington, D.C., where he subsequently obtained his Master of Arts degree in education with dominant emphasis on the secondary level. During this period he taught in the public junior and senior high schools of suburban Washington in Arlington, Virginia.

In 1950 he was made a teaching fellow in the School of Education at the University of Virginia. He taught there for three years during which time he completed his Doctor of Education Degree. Since 1953 he has been a member of the staff of the College of Education at the Brigham Young University where his dominant concern has been with the program of teacher education for secondary teachers.

Education Instruction

Faculty

Professor: Berrett.

Associate Professors: Andrus, Belnap, Callahan (chairman), Campbell, Candland (Coordinator of Elementary Instruction), Smith.

Assistant Professor Emeritus: Hammond.

Assistant Professor: Babcock, Bauer (Coordinator of Secondary Instruction), Berryessa, Madsen, Maeser.

Instructors: Anderson, Flandro.

Requirements

Elementary Instruction

Students majoring in elementary instruction must have previously taken sufficient work in the field to have a sound philosophy and background for the advanced study. This should have included Elementary Instruction 115, 116, 117, and Ed. R. & S. 101. Certified teachers with one or more years of teaching experience are, in most instances, eligible.

A major in this field may be taken by one who has the pre-requisites for the graduate courses involved in this major program. In most instances students should have taken a foundation course in the same area as the graduate course, e.g. graduate courses in the area of the curriculum should be preceded by Instruction 115, 116, and 117.

Courses

- 201. Curriculum Building in the Elementary School. (3) W.
Campbell, Candland, Dainès
- 202. Advanced Study in Early Childhood Education. (3) S.
Campbell, Candland
- 204. Arts and Crafts for Elementary Teachers. (2) S.
Alder, Andrus
- 205. Creative Arts in the Elementary School. (2) A.
Alder, Hammond, Andrus

211. Language Arts in the Elementary School. (3) W. Babcock, Campbell
212. Reading in the Elementary School. (3) A.W. Candland, Babcock
213. Science in the Elementary School. (3) S. Babcock, Berryessa
214. Arithmetic in the Elementary School. (3) S. Babcock, Maeser
215. Social Studies in the Elementary School. (5) A. Berryessa, Candland, Daines

Secondary Instruction

Students registering for graduate courses in secondary instruction should have completed a certain number of undergraduate courses in the field to be determined by the Coordinator of Secondary Instruction.

Courses

220. The High School Curriculum. (3) A. Callahan
221. Senior High School Curriculum Workshop. (3) S. Bauer, Flandro, Callahan
222. Junior High School Curriculum Workshop. (3) A. Bauer, Flandro, Callahan
223. Teaching Home Economics in the Secondary Schools. (3) W. Poulson
225. Directing Out-of-Class Activities in the Secondary Schools. (3) A. Callahan
226. The Improvement of Reading in the Secondary Schools. (3) W. Bauer
227. Teaching Art in the Secondary Schools. (3) W. Gunn
228. Teaching English in the Secondary Schools. (3) S. Staff
229. Teaching Mathematics and Science in the Secondary Schools. (3) W. Staff
230. Teaching Music in the Secondary Schools. (3) W. Madsen
231. Teaching Social Studies in the Secondary Schools. (3) S. Staff
232. Teaching Speech in the Secondary Schools. (3) W. Clinger
233. Methods of Teaching Journalism in Secondary Schools. (See Journalism 268). (3) S. Smith
235. Bibliography of the Sciences. (3) Su. (See Library Sciences 271). Staff
236. Bibliography of the Humanities. (3) Su. (See Library Sciences 272). Staff
237. Bibliography of the Social Sciences. (3) Su. (See Library Science 273). Staff

College Instruction

240. Teaching in the College and University. (3) A.W.S. Staff
241. The Junior College. (5) A. Browne
242. Methods of Higher Education Instruction. (4) W. Browne
243. Directed Teaching in Higher Education. (6) S. Prerequisite: Instruction 242.) Browne
245. Adult Education Programs. (2) S. Staff

Religious Instruction

260. Methods of Teaching Religion. (3) S. Anderson, Berrett
261. Survey of Religious Education. (2) A.S. (See Church History and Philosophy 201.
263. Methods and Techniques for Religious Educators. (2) (Not given this year) Belnap

General Instruction

275. Audio-Visual Materials and Procedures. (3) W. Prerequisite: General Instruction 175. Tyndall

277. Teaching of Remedial Reading. (3) A W. Krider
278. Radio and Television in Education. (2) S. Tyndall
279. Methods of Teaching Slow Learners. (3) W. Krider
280. Education of Exceptional Children. (3) A.W.Su. Prerequisite: Psychology of Exceptional Children, or consent of the instructor. Krider
281. Problems in Acquisition and Organization of Library Materials. (3) Su. (See Library Science 250.) Staff
282. Modern Library Practices. (3) Su. (See Library Science 263). Staff
283. History of Books and Development of Libraries in Our Civilization. (3) Su. (See Library Science 290.) Staff
284. Advanced Student Teaching for Experienced Teachers. (2-8) A.W.S. Prerequisite: Field experience plus approval of special committee and chairman of department. Application should be made in advance. Staff
287. Administration and Supervision of Student Teaching. (3) A.W.S. Bauer, Candland, Flandro, Callahan
- 290, 291, 292. Analysis of In-Service Problems. (2-5) A.W.S. Staff
- 294, 295. Independent Reading. (1-3) A.W.S. Staff
- 296, 297. Seminar. (1-3) A.W.S. Staff
- 298, 299. Independent Research. (1-3) A.W.S. Staff
300. Thesis for Master's Degree. Staff
301. Field Project. Staff





Chairman

**ROBERT L.
EGBERT**

Dr. Egbert received his B.S. and M.S. degrees from Utah State Agricultural College in 1947 and 1948; and his Ph.D. from Cornell University in 1949.

He is a member of the American Psychological Association and Sigma Xi. Some previous positions he has held are: Research Associate, New York State Education Department, 1949-50; Assistant Professor of Psychology and Counselor of Students, Utah State Agricultural College, 1950-1952; Senior Research Scientist, Human Resources Research Office, George Washington University, 1952-1955.

Ed. Research And Services

Faculty

Professors: Egbert (chairman), Lloyd, Woodruff, Romney, Reid.

Associate Professors: Isaksen, Downing.

Assistant Professors: Selby Clark, Harris.

Instructors: Jensen, Parker, Wright.

Fields

Educational Psychology, and Personnel and Guidance Requirements

Full graduate standing in educational psychology is contingent on completion of Utah public school teacher certification requirements, including Ed. R. & S. 110, 115, and 145, and fifteen hours of psychology, including Psychology 115, 116, 139, and 145.

Students seeking the master's degree in personnel and guidance should have a suitable background of course work in some field such as education, psychology, sociology or business administration. In addition, those people planning to enter public school work must be certified as teachers prior to completing the program. If he has not completed the following courses or their equivalents prior to entering the graduate program, the student must take, in addition to the regularly prescribed courses: Ed. R. & S. 115, 145 and Psychology 11 and 116.

Courses will be taught in terms in addition to those listed if there is sufficient demand.

General Courses

210. Advanced Educational Tests and Measurements. (3) S.

215. Advanced Statistics. (3) S.

218. Educational Research and Thesis Writing. (3) W.S. Prerequisite: 115.

219. Educational Techniques in Guidance. (3) W.

Harris

Egbert

Egbert, Woodruff

Staff

Educational Psychology

201. Advanced Educational Psychology: Problems of Learning in the Elementary School. (2) W. Prerequisite: 101. Staff

202. Advanced Educational Psychology: Problems of Learning in the Secondary School. (2) S. Prerequisite: 101. Staff

Personnel and Guidance

(Ed. R. & S. 145 is prerequisite to all graduate courses in Personnel and Guidance.)

244. **Introduction to Counseling Theories and Practice.** (3) A.
Reid, Isaksen, Downing, Wright
245. **The Case Study and Diagnosis.** (3) W. Reid, Wright
246. **Advanced Counseling Theory.** (3) W. Prerequisite: 244.
Reid, Isaksen, Downing, Wright
247. **Group Techniques in Guidance.** (3) W. Downing, Wright
248. **Test Techniques in Guidance.** (3) A. Reid, Jensen
249. **Guidance Workshop.** (3) Isaksen
250. **Administration of Guidance Services.** (3) S. Reid, Isaksen
251. **Information Services in Guidance.** (3) A. Isaksen, Wright
252. **Industrial Counseling.** (3) S. Staff
253. **Guidance Services in the Elementary School.** (3) S.
Isaksen, Downing
254. **Student Personnel Services in Higher Education.** (3) S.
Lloyd, Isaksen
256. **Internship in Testing.** (3) W. Prerequisite: 248. Jensen
257. **Internship in Counseling.** (3) S. Reid, Isaksen, Wright
(Admission to this course is granted only on recommendation of Graduate Chairman and with permission of the Director of the Internship Program.)
- 293, 294, 295. **Directed Readings.** Staff
- 296, 297, 298. **Seminar.** (1) A.W.S. Staff
300. **Thesis.** Staff
301. **Field Project.** Staff





Chairman ASAHEL D. WOODRUFF

Dr. Woodruff received his B.S. (1936) and M.S. (1937) from the Brigham Young University in the field of Educational Administration, and his Ph.D. (1941) from the University of Chicago in Educational Psychology.

He was LDS Seminary principal of Escalante, Fillmore, and Price; and LDS Institute director in Ogden, 1935-42. He was professor at Cornell University from 1942-49, and organizer and director of the Cornell Educational Research and Service University Testing Service. From 1949 to 1952 he was Dean of the B.Y.U. Graduate School, and from 1952 to 1954 he was associate director of the Human Resources Research Office, U. S. Army.

Ed. Values And Programs

Faculty

Professors: Romney, Woodruff (acting chairman).

Instructor: Wiscombe.

Courses

Philosophy of Education

200. Philosophy of Education. (3) W.Su. Staff

History of Education

215. History of Education in America. (3) W. Romney, Wiscombe

216. History of Educational Thought. (3) A. Romney, Wiscombe

217. Comparative Education. (3) S. Staff

The School in the Social Order

230. Education in the Social Order. (3) Lloyd

General Courses

294, 295. Independent Readings. (1-3) A.W.S. Staff

296, 297. Seminar. (1-3) A.W.S. Staff

298, 299. Independent Research. (1-3) A.W.S. Staff

300. Thesis for Master's Degree. Staff

301. Field Project. Staff

Chairman

LEONARD W.
RICE



Dr. Rice received his B.A. degree from the Brigham Young University and his M.A. and Ph.D. from the University of Washington. A specialist in English language and literature, he has done extensive research in eighteenth century English fiction.

President of the Utah Council of Teachers, Member at Large of the Graduate Council, Chairman of the Committee on Graduation for the Graduate School, and a member of the University Curriculum Committee, Dr. Rice is active in his efforts to point up the human insight, cultivation, and skill in communication gained by students enrolling in the Department of English.

English

Faculty

Professors: Christensen, Young, Jacobs, Rice (chairman).

Associate Professors: Cheney, Spears, B. Clark, Britsch, D. B. Farnsworth, E. T. Hart, Monson.

Assistant Professors: Craig, Larson, Tanner, Thomas, McKendrick, Thomson.

Requirements

A graduate may major in either American or English literature; he may minor in a subject outside the English department or in English Literature, American literature, or language.

The Master of Arts degree requires the completion of 45 hours of graduate courses, except that up to 14 hours of upper division credit may be used if the courses are approved by the Special Committee at the time of registration. The following courses must be included:

- a. 215 - Bibliography and Methods of Research. 2 hours
- b. 221 - Old English. 5 hours

The following courses must also be included if the student did not have them as an undergraduate:

- a. 121 - The History of the English Language. 5 hours
- b. 190 - The Criticism and Appreciation of Literature. 5 hours

It is assumed that anyone granted a Master of Arts degree in English will be well-grounded in the entire field of English and also well-trained in his graduate major and minor. Each student should check the following list of departmental requirements for an undergraduate major and make up the deficiencies in his undergraduate program insofar as possible:

- a. 51 - Fundamentals of English for Majors and Minors. 5 hours
- b. 162 - Major Figures of the American Renaissance. 5 hours
- c. One of the following periods in American Literature. 5 hours
 - 161 - American Literature to the Civil War. (5)

163 - American Literature since the Civil War. (5)

- d. English period courses or authorized substitutes. 16 to 20 hours

A major is expected to complete classes in four of the five periods of English literature. He may fulfill this requirement by taking four of the period courses (courses 175-175) or, with the permission of the department chairman or the student's departmental advisor, two or three of the period courses with substitutes as indicated below to bring the total of periods studied to four.

1. 171 - The Medieval Period (5), or
181 - Chaucer (4)
 2. 172 - The Renaissance (5),
141 - The English Drama to 1642 (3), or
152 - The Renaissance in European Literature (5)
 3. 173 - The Neo-Classical Period (5),
142 - Restoration and Eighteenth Century Drama (3), or
153 - Neo-Classicism in European Literature (5)
 4. 174 - The Romantic Period (5) (English) or
154 - The Romantic Period (5) (European) or
 5. 175 - The Victorian Period (5) or
132 - The English Novel from Dickens to Hardy (3)
- e. 182 - Shakespeare 5 hours
- f. Comparative or world literature, chosen from the list below 5 hours
- 41, 42, 43 - Masters of the Drama, Ancient to Modern (3-3-3)
 - 152, 153, 154 - The Renaissance, Neo-Classicism, and Romanticism in European Literature (5-5-5)
 - 156, 157, 158 - World Classics (3-3-3)
 - 191 - The Spirit of Tragedy in Literature (4)
- g. Grammar, history of the English language, or literary criticism. 5 hours

This requirement, especially for those majors who plan to teach English in high school or college, will ordinarily be met by taking English Grammar, although either of the other courses listed below may be substituted with the approval of the department chairman or the student's departmental advisor.

- 21 - English Grammar (5)
 - 121 - The History of the English Language (5)
 - 190 - The Criticism and Appreciation of Literature (5)
- h. 195 - Senior Seminar for English Majors. 2 hours

Courses

201. Problems in Thesis Writing. (0) A.W. Britsch, Rice
215. Bibliography and Methods of Research. (2) A. Larson
221. Old English. (5) A. Young
222. Middle English. (3) (Not given in 1956-57 school year.)
Monson, Christensen
223. Beowulf. (3) (Not given in 1956-57 school year.) McKendrick
231. Seminar in the English Novel. (3) W. B. Clark

235. Seminar in the American Novel. (3) W. Smart
 241. Seminar in English Drama. (3) S. Craig
 261. Colonialism and Puritanism in American Literature. (3) A. Jacobs
 262. Romanticism in American Literature. (3) W. Thomas
 263. Transcendentalism in American Literature. (3) S. Jacobs
 264. Realism and Naturalism in American Literature. (3) (Not given in 1956-57 school year.)
 271. The Medieval Period in English Literature. (3) A. Christensen
 272. The Renaissance in English Literature. (3) W. Young
 273. Neo-Classicism in English Literature. (3) (Not given in 1956-57 school year.) Hart, Rice
 274. Romanticism in English Literature. (3) (Not given in 1956-57 school year.) B. Clark, Smart
 275. The Victorian Age in English Literature. (3) S. Farnsworth
 282. Shakespeare. (3) S. Hart
 299. Individual Study in English. (1-3) A.W.S. Staff
 300. Thesis for Master's Degree. A.W.S. Staff





Chairman

HOWARD D.
LOWE

Professor Lowe began teaching at Brigham Young University in the Department of Accounting in 1947. He was awarded the B.S. and M.A. degrees at the Brigham Young University in 1945 and 1948. He received a C.P.A. in 1949 and has spent the past two years at the University of Indiana and the University of Wisconsin working on his Doctorate Degree.

Finance And Banking

Faculty

Professors: H. R. Clark, Edwards, Lowe (chairman).

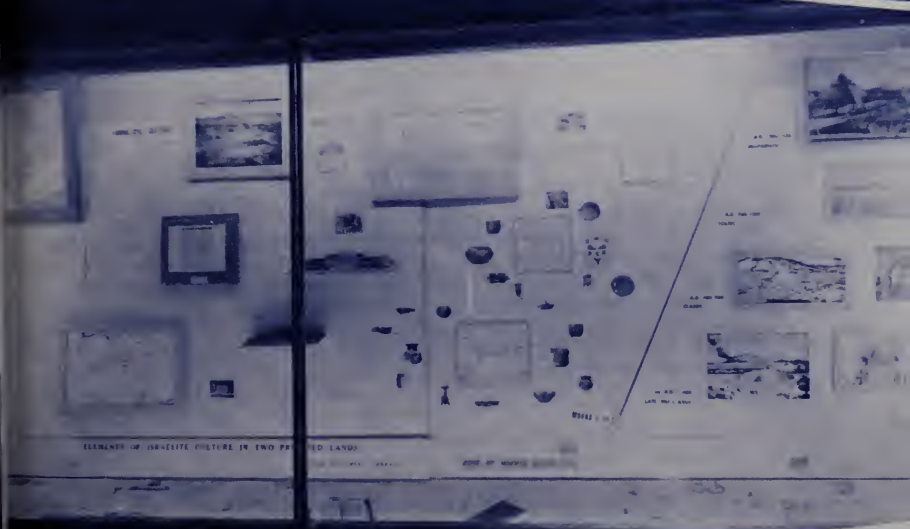
Requirements

Full graduate standing is granted to students who have completed Accounting 1, 2, and 150; Economics 1, 2, and 75; and Finance and Banking 151, 153, and 157; or the equivalent of these courses. In some cases students who have completed part of this background will be given provisional graduate standing, if they agree to complete the rest of the program in addition to their graduate studies. Permission to minor in this field is sometimes granted to those with less than the background listed above, after consultation with the chairman.

Courses

- | | |
|---|---------|
| 201. Research in Business Finance. (2-5) W.S. | Clark |
| 254. Investments. (5) S. Prerequisites: 151; Accounting 35, 151, 174. | Edwards |
| 255. Research in Investments. (2) A.W.S. | Edwards |
| 268. Economics of Finance. (5) W. | Edwards |
| 300. Thesis. | Staff |

The following courses will be recognized as applying on a major in Finance and Banking: Education Administration 200, Economics 278.





Chairman

L. ELLIOTT
TUTTLE

Department Chairman and Assistant Professor of Geography, Professor Tuttle received his B.S. degree and M.S. degree at the Brigham Young University. He has also studied extensively at the University of Wisconsin. Professor Tuttle, a teacher at B.Y.U. since 1936, is well qualified for his position with more than 23 years of teaching experience. He is enthusiastic about the opportunities for professional personnel in the field, and the necessity of a background in information about the world and its people for students in all departments.

Geography

Faculty

Assistant Professor: Tuttle (chairman, 296 ESC).

Instructors: Fisher, Layton.

Requirements

A candidate for a master's degree in Geography must have met the requirements for the bachelor's degree or the equivalent. In addition, he must offer forty-five hours of credit beyond the baccalaureate degree of which 20 hours must be in the field of geography and must include geography 299 and 300. Selection of courses in other fields is to be made in consultation with his major professor. The candidate must also pass a comprehensive oral examination in geography and in related fields of study.

Courses

The following courses carry only graduate credit. A graduate course may be used by an advanced undergraduate in his baccalaureate program if he secures the permission of the instructor prior to registration and meets the same requirements made of the graduate students.

205, 206, 207. Research. (1-2) A.W.S. For Majors only.	Staff
211. United States. (3) W.	Tuttle
221. South America. (3) W.	Layton
222. Caribbean Area. (3) S.	Layton
231. Western Europe and the Mediterranean. (3) A.	Fisher
232. Eastern Europe and the U.S.S.R. (3) S.	Tuttle
241. Orient. (3) S.	Tuttle
263. Historical Geography of the United States. (3) S. (See History 263.)	Fisher
290. Geography of Underdeveloped Areas. (3) W.	Fisher
295. Readings. (1) A.W.S. May be repeated for a total of three hours. For majors only.	Staff
299. Graduate Seminar. (1) A.W.S.	Staff
300. Thesis for Master's Degree.	Staff

Chairman

KENNETH C.
BULLOCK

Associate professor of Geology, received his B.S., M.A., B.Y.U., 1940, 1942; Ph.D., University of Wisconsin, 1949. Dr. Bullock has several publications and is co-author of "Uranium, Where it is and How to Find it." He is also consultant for United States Steel.



Geology

Faculty

Professors: Bissell, G. H. Hansen.

Associate Professors: Bullock (chairman), Hintze.

Assistant Professors: Rigby, Bushman.

Instructors: Hyatt, Lewis, Brimhall.

Fields

Economic Geology and Mineralogy
Stratigraphy and Field Geology,
General Geology

Requirements

The following courses are prerequisites for all students who work toward a Master's degree in Geology: Geology 11, 12, 13, 117, 118, 119, 128, 130, 160, 171, 180. A Summer Field Camp course (Geology 160, or its equivalent at another institution) is a necessary prerequisite.

Some undergraduate upper division work selected from the following list may be applied toward a Master's degree; the amount which may be applied will be determined by the department staff: Geology 115, 129, 150, 151.

Courses in Economic Geology and Mineralogy

- | | |
|--|----------|
| 217. Geochemistry. (3) A. Prerequisite: 180. | Staff |
| 218. Geochemical Techniques. (3) W. Prerequisite: 217. | Staff |
| 250. Optical Mineralogy. (5) A. Prerequisite: 180. | Bullock |
| 251. Petrography and Petrofabrics. (3-5) W. Prerequisite: 140 or 250. | Bullock |
| 252. Igneous and Metamorphic Petrology. (5) S. Prerequisite: 128. | Bullock |
| 277. Petroleum Geology. (5) S. Prerequisite: 128. | Hansen |
| 279. Oil Field Development. (3) A. Prerequisite: 128. (See Geol. Engr. 279). | Lewis |
| 280. Oil Field Production. (2) W. Prerequisite: 279. (See Geol. Engr. 280.) | Lewis |
| 281. Metalliferous Deposits. (5) S. Prerequisite: 180. | Brimhall |
| 282. Mining Geology. (3) A. Prerequisite: 281. (See Geol. Engr. 282.) | Staff |
| 283. Non-Metalliferous Deposits. (3) W. Prerequisite: 180. | Hyatt |
| 284. Geology of Ceramic Raw Materials. (3) S. Prerequisite: | Hyatt |
| 285. Ground Water. (5) A. Prerequisite: 128. | Hansen |
| 300. Thesis for Master's Degree. (1-6) A.W.S. Prerequisite: English 201. | Staff |

See also 201 and 202 (no more than total of 5 hours), 260, 261, 262 (no more than total of hours), 296 (no more than total of 2 hours), which may be applied to this field only upon consultation with major professor and Chairman of the Department.

Courses in Stratigraphy and Field Geology

204. Precambrian and Paleozoic Stratigraphy. (3) W. Prerequisite: 160. Staff
 205. Mesozoic and Cenozoic Stratigraphy. (3) W. Prerequisite: 204. Staff
 230. Problems in Structural Geology. (1-5) A.W. Prerequisite: 128. Staff
 260, 262, 262. Advanced Field Geology. (1-8) A.W.S. (Not more than a total of 8 hours may be applied.) Prerequisite: 160. Staff
 269. Micropaleontology. (3) A. Prerequisite: 171. Rigby
 270. Vertebrate Paleontology. (3) W. Prerequisite: 171. Rigby
 271. Invertebrate Paleontology. (5) S. Rigby
 272. Biostratigraphy. (3) W. Prerequisite: 171. Rigby
 273. Sedimentology. (3) A. Prerequisite: 172. Bissell
 274. Sedimentary Petrology. (3) W. Prerequisite: 273. Bissell
 275. Sedimentary Petrography. (2) W. Prerequisite: 273. Bissell
 276. Sedimentation and Stratigraphy. (3-5) S. Prerequisite: 274. Bissell
 278. Subsurface Geologic Methods. (3) W. Prerequisite: 128. Staff
 300. Thesis for Master's Degree. (1-6) A.W.S. Prerequisite: English 201. Staff

See also 201 and 202 (no more than total of 5 hours), 293, 296, (no more than total of 2 hours), which may be applied to this field only upon consultation with major professor and Chairman of the Department.

Courses in General Geology

203. Advanced General Geology. (3) A. Prerequisite: 128 Staff
 210. Geology of Utah. (3) A. Prerequisite: 160. Staff
 219. Engineering Geology. (4) S. Prerequisite: 128. Hansen
 231. Geology of the U. S. (5) W. Prerequisite: 128. Hansen
 260, 261, 262. Advanced Field Geology. (1-5) A.W.S. (Not more than total of 8 hours may be applied) Prerequisite: 160. Staff
 277. Petroleum Geology. (5) S. Prerequisite: 128. Hansen
 278. Subsurface Geologic Methods. (3) W. Prerequisite: 128. Staff
 282. Mining Geology. (3) A. Prerequisite: 281. (See Geol. Engr. 282.) Staff
 285. Ground Water. (5) A. Prerequisite: 128. Hansen
 300. Thesis for Master's Degree. (1-6) A.W.S. Prerequisite: English 201. Staff

See also 201 and 202 (no more than total of 5 hours), 293, 296 (no more than total of 2 hours), which may be applied to this field only upon consultation with major professor and Chairman of the Department.

From the foregoing it is noted that a student may elect any one of the three fields for a major, and may elect one of the two remaining fields for a minor. However, for those subjects listed in more than one field he must indicate at the time of registration in which field he desires the credit to apply. Furthermore, he may not apply more than a total of 5 hours of Geology 201 or 202 (Research), or a total of more than 2 hours of 296 (Readings) in his program. A student should not register for Geology 300 until he has essentially completed his research and is prepared to write his thesis.

Chairman

DAVID D.
GEDDES



A specialist in Health Education and research involving the scientific basis of health and physical education. The author or collaborator of eleven scientific articles and two books, Dr. Geddes has served as clinical investigator for the United States Public Health Service and the Los Angeles, California, County Heart Association.

His education includes the B.S. and M.S. degrees from Brigham Young University, which he received in 1950 and 1952. His doctoral degree is in process at the University of Southern California.

Health

Faculty

Professors: Hart, Nash.

Assistant Professor: Robison.

Instructors: Bangerter, Barney, Geddes (chairman).

Requirements

Undergraduate or equivalent in field and acceptance by Department Graduate Committee.

Courses

- | | |
|---|--------|
| 224. Evaluation and Selection of School Health Material. (3) | Geddes |
| 230. Seminar in Administration. (3) | Staff |
| 235. Basic Relationships. (5) W. | Staff |
| A course to integrate the College offerings in Recreation Education, Physical and Health Education, Youth Leadership, Scouting, The Dance, and Athletics. | |
| 292. Research in Health Education. (5) A. | Geddes |
| 294. Readings in Health Education. (2) A.W.S. | Geddes |
| 300. Thesis for Master's Degree. | Staff |
| 301. Field Project. (2-6) | Staff |



Chairman

**RICHARD D.
POLL**

Associate Professor of History and, since 1954, Chairman of the Departments of History and Political Science. Dr. Poll was Director in 1955 of the first B.Y.U. Round-The-World Travel-Study Tour.

He received his B.A. and M.A. degrees from Texas Christian University graduating from the University of California with his Ph.D. in 1948. Dr. Poll is a specialist on Utah and Contemporary United States History.

As chairman of the department which administers the University's graduation requirement in American History and Government, Dr. Poll is especially interested in alerting B.Y.U. students to the opportunities and responsibilities of the democratic way of life.

History

Faculty

Professors: Hafen, Swensen, Jensen (emeritus).

Associate Professor: Poll (chairman).

Assistant Professor: Hunt.

Instructors: Fielding, Fisher, Mabey.

Requirements

Full graduate standing is granted to those who have completed the equivalent of an undergraduate major as background.

History 288 and 289, or the equivalent, are required of all those who major in history.

Courses

- 206. **History of Greek Thought.** (1957-8 and alternate years) (3)
Swensen
- 212. **History of Medieval Thought.** (1956-57 and alternate years)
(3) W. Swensen
- 221. **Problems in European History.** (1957-8 and alternate years)
(3). Mabey
- 245. **Problems in English History.** (1957-8 and alternate years)
(3). Mabey
- 256. **History of the Southwestern United States.** (1957-8 and
alternate years. (3) Hafen
- 263. **Historical Geography of the United States.** (1957-8 and alter-
nate years) (3). Fisher
- 270. **Colonial American History to 1688.** (1956-7 and alternate
years) (3) A. Fielding
- 271. **Colonial American History, 1688-1763.** (1957-8 and alternate
years) (3). Fielding
- 275. **History of the United States, 1789-1815.** (1956-7 and alter-
nate years.) (3) S. Hunt
- 276. **History of the United States, 1815-1850.** (1956-7 and alter-
nate years) (3) S. Hafen

277. History of the United States, 1850-1877. (1957-8 and alternate years) (3). Poll
278. United States Economic History, 1865-1917. (1956-7 and alternate years). (3) W.
279. United States Foreign Relations, 1898-1921. (1957-8 and alternate years) (3). Hunt
286. Constitutional History of the United States. (3) A. Prerequisites: History 20, 21 or the equivalent. Pre-law students by permission of instructor. Jensen
288. Historiography. (3) Summer only. Swensen
289. Methods of Historical Research and Writing. (3) Summer only. Staff
294. Seminar in Ancient History. (2) S. Swensen
295. Seminar in Western History. (2) W. Hafen
296. Seminar in United States History. (2) A. Fielding
297. Seminar in Utah History. (2) S. Poll
298. Special Readings in History. (1-2) A.W.S. Staff
300. Thesis for Master's Degree. (4-6) A.W.S. Staff





Chairman

**BLAINE M.
PORTER**

Professor and Chairman, Department of Human Development and Family Relationships.

Dr. Porter received his B.S. and M.A. degrees from the Brigham Young University in 1947 and 1949, and his Ph.D. from Cornell University in 1952.

He was an instructor in Family Sociology, 1949-1951, and Assistant Professor of Child Development, 1952-55, at Iowa State College. He is a member of the National Council on Family Relations, Mid-West Sociological Society, Psi Chi, Alpha Kappa Delta, American Psychological Association, and several other sociological and psychological organizations. In 1955-56 he was Chairman, Section of Family Life Education, Utah Council on Family Relations.

Human Developments And Family Relationships

Faculty

Professors: Porter (chairman), Allen, Ballif, Bradford.

Associate Professor: K. Cannon.

Assistant Professors: F. Anderson, Canning, Taylor.

Requirements

Full graduate standing for a major in the field of Human Development and Family Relationships is granted those who have completed approximately the equivalent of an undergraduate major in this field. Students who have satisfactorily completed an undergraduate major in Sociology, Psychology, and related fields, may be accepted, but may need to supplement their background.

The College of Family Living carries an affiliation with The Merrill-Palmer School in Detroit. Students interested in various phases of Child Development, Parent Education, Social Service work, Marriage Counseling, or Extension work in Human Development and Family Relationships may apply and be selected to spend one, two, or possibly three quarters in graduate study at this school with credit applying toward graduation at Brigham Young University. A limited number of graduate assistantships are available each year for work at the Merrill-Palmer School.

Courses

- 210. Advanced Child Development. (3) W. Prerequisite: HDFR 110. Staff
- 214. Nursery School Planning. (3) S. Prerequisite: HDFR 113. Staff
- 260. Dynamics of Family Interaction. (3) W. Prerequisite: HDFR 160 and 161. Porter
- 263. Critical Problems in Family Life. (3) W. Prerequisite: HDFR 161. K. Cannon
- 265. Parent Education. (3) A. Prerequisite: HDFR 165. Porter
- 275. Marriage and Family Counseling. (3) S. Prerequisite: HDFR 175. F. Anderson
- 292. Seminar. (3) S. F. Anderson, K. Cannon, Porter
- 295. Special Problems in Human Development and Family Relationships.. (1-3) A.W.S. F. Anderson, K. Cannon, Porter
- 296. Research Problems and Methods in Human Development and Family Relationships. (3) A. K. Cannon
- 299. Independent Research. (1-3) A.W.S. F. Anderson, K. Cannon, Porter
- 300. Thesis for Master's Degree. A.W.S. F. Anderson, K. Cannon, Porter

Chairman

OLIVER R.
SMITH



Dr. Smith received his A.B. degree from Brigham Young University and the Ph.D. degree from the State University of Iowa. In addition to formal training he has had practical experience in various fields of journalism in New York, Utah, Iowa, and Arkansas. His professional work has included newspaper reporting and editing, advertising, radio news editing, public relations and public opinion surveys. He is a specialist in the field of economic and social aspects of mass communication.

Under the chairmanship of Dr. Smith the journalism department sponsors the Utah State Press Association front page contest, an annual Industrial Editing Institute and various research projects on problems in the publishing and broadcasting fields. He is also chairman of Student Publications at B.Y.U. and Regional Chairman of the National Council of College Publication Advisers.

Journalism

Faculty

Associate Professor: Smith (chairman).
Assistant Professor: Tyndall.

Requirements

Prospective majors in this field are advised to consult with the chairman of the department concerning required background for graduate study.

Courses

- | | |
|--|---------|
| 233. Teaching Journalism in the Secondary Schools. (3) S. (See also Education: Instruction 233.) | Smith |
| 241. Research Methods in Mass Communications. (3) A. | Smith |
| 242. Mass Communications and Society. (4) W. | Smith |
| 250. Seminar in Mass Communications. (Arr.) A.W.S. | Staff |
| 278. Radio and Television in Education. (3) S. (See Education: Instruction 278.) | Tyndall |
| 291, 292, 293. Special Studies in Journalism. (Arr.) A.W.S. | Staff |
| 294. Readings in Mass Communications. (Arr.) A.W.S. | Staff |
| 300. Thesis for Master's Degree. (Arr.) | Staff |



Chairman

**WELDON J.
TAYLOR**

He is head of the Department of Marketing and is Professor of Marketing.

Dr. Taylor has taught at the University of South Dakota and at Pace College. He is president of the Intermountain Chapter of the American Marketing Association, and he has contracted to write a textbook in Marketing. He has done business research for several large corporations.

He received his B.S. degree from Brigham Young University in 1934, his M.B.A. degree from Harvard in 1937, and his Ph.D. from New York University in 1955.

Marketing

Faculty

Professors: Boyle, Taylor (chairman).

Courses

- 204. **Advanced Marketing Problems.** (Arr.) A.W.S. Prerequisite: 107. Taylor
- 205. **Special Problems in Retailing.** (Arr.) A.W.S. Prerequisite: 107. Boyle
- 206. **Special Problems in Marketing and Marketing Analysis.** (Arr.) A.W.S. Prerequisites: Marketing 107; Economics 75. Staff
- 285. **Technique and Practice of Market Research.** (3) S. Prerequisites: 107 and Economics 75. Taylor
- 300. **Thesis for Master's Degree.** Staff

The following courses will be recognized as applying on a major in Marketing: Economics 278, 295, 299.



Chairman

**MILTON
MARSHALL**



Dr. Marshall has been with the Brigham Young University faculty since 1919 consecutively with the exception of the three years from 1921-1924. Before this time he was a student teacher in the Provo schools.

He is a member of the American Physical Society, The American Mathematics Society, and Phi Kappa Phi. He is also Chairman of the State Chapter of the American Society for Metals.

Dr. Marshall received his B.A. degree from Brigham Young University in 1918 and the Ph.D. from the University of Chicago in 1924.

Mathematics

Faculty

Professors: Marshall (chairman, 281 ESC), W. Hales.

Associate Professors: Eastmond, J. H. Gardner.

Assistant Professors: H. Fletcher, Jr., Geertsen, R. Hales, Hoyt, Miller.

Instructors: Dean, Haupt.

Requirements

The following courses carry **only** graduate credit. A graduate course may be used by an advanced undergraduate in his baccalaureate program if he secures the permission of the instructor **prior** to registration and meets the same requirements made of the graduate students.

Courses

- 201, 202, 203. **Theory of Functions of a Real Variable.** (2-2-2)
A.W.S. Fletcher
- 211, 212, 213. **Partial Differential Equations.** (3-3-3) A.W.S.
(Not given this year.)
- 221, 222, 223. **Methods in Mathematical Physics.** (3-3-3) A.W.S.
Gardner
- 231, 232, 233. **Functions of a Complex Variable.** (2-2-2) A.W.S.
Fletcher
- 292, 293, 294. **Readings in Mathematics.** (1-3) A.W.S.
Marshall, W. Hales, Eastmond, Gardner, R. Hales, Fletcher
300. **Thesis for Master's Degree.**



Chairman

ARTHUR R.
WATKINS

Born in Salt Lake City, Utah, Dr. Watkins attended the Brigham Young University where he received his B.A. and M.A. degrees. He received his Ph.D. from Stanford University in 1948, where he enlarged his special interest in Germanic philosophy, Professor Watkins taught at B.Y.U. and Weber College, returning to the B.Y.U. in 1952 as Associate Professor of Modern and Classical Languages. A master linguist, Dr. Watkins has taught German, French, Italian, Russian, Gothic, Old High German, and Middle High German. Under his leadership the Language Department has begun operating one of the best equipped and most modern electronic laboratories in the United States.

Modern And Classical Languages

Faculty

Professors Emeriti: Barker, Cummings.

Professors: deJong, Lee*, Nibley, Sperry.

Associate Professors: Watkins (chairman), Rogers.

Assistant Professors: Clark, Taylor, Wilkins, Valentine, Gibson*.

Fields

French, German, Greek, Latin, Portuguese, Spanish

Requirements

Full graduate standing is granted to students who have completed courses 1, 2, 3, 101, 102, 103, 104, 105, 121, 122, 123, 131, 132, 133 in the language chosen as a major, or who have the equivalent background. No provisional admission may be granted on a lesser background. Minors in these fields must have completed courses 1, 2, 3, 101, 102, 103, and 104, or have a fluent reading knowledge of the language elected.

Majors and Minors are defined as follows: The major and the minor may be chosen in the language area or the literature area of any one of the languages. If either is chosen as a major, the other becomes the minor. As an alternative, a combination of language and literature of one language may be designated the major, and the minor may be built of courses in the second language, but such a program is to be approved by the head of the department who may require more than the University minimum quantity of credit for minor. The minor may be in any one of several other departments subject to approval.

Courses in French

- | | |
|---|------------|
| 201. French Composition and Conversation. (3) S. | Lee, Clark |
| 231. Old French Literature. (3) W. | Clark |
| 233. French Literature of the Renaissance. (3) S. | Clark |
| 234. French Literature of the Seventeenth Century. (3) A. | Lee |
| 235. French Literature of the Eighteenth Century. (3) W. | Lee |
| 237. French Literature of the Twentieth Century. (3) W. | Cummings |

- | | |
|---|-------------------------|
| 241. Moliere. (3) W. | Clark |
| 251. French Drama of the Nineteenth Century. (3) S. | Cummings |
| 252. Modern and Contemporary French Drama. (3) W. | Lee |
| 253. French Novel of the Nineteenth Century. (3) S. | Lee |
| 254. Modern French Novel. (3) A. | Lee |
| 261. Introduction to French Civilization. (3) A. | Cummings |
| 291, 292, 293. French Seminar. (2-2-2) A.W.S. | Cummings,
Lee, Clark |
| 300. Thesis for Master's Degree. | Staff |

Courses in German

- | | |
|--|---------|
| 201. German Composition and Conversation. (3) A. | Watkins |
| 237. Contemporary German Literature. (3) A. | Rogers |
| 241. Lessing. (3) A. | deJong |
| 242. Schiller. (3) W. | deJong |
| 243. Goethe. (3) S. | deJong |
| 251. The German Drama. (3) A. | Rogers |
| 254. The German Novel. (3) W. | Rogers |
| 256. The German Novelle. (3) S. | Rogers |
| 258. German Lyric Poetry. (3) W. | deJong |
| 261. Cultural History of Germany. (3) W. | Watkins |
| 294. Seminar in Literature. (2) S. | Rogers |
| 300. Thesis for Master's Degree. | Staff |

Courses in Spanish

- | | |
|---|----------------------------|
| 201. Spanish Composition and Conversation. (3) S. | Taylor, Wilkins |
| 231. Medieval Literature. (3) A. Prerequisite: 133 or equivalent. | Taylor |
| 232. Cervantes Don Quixote. (3) W. Prerequisite: 133 or equivalent. | Valentine |
| 233. Drama of the Spanish Golden Age. (3) W. Prerequisite: 133 or equivalent. | Taylor |
| 236. Spanish Literature of the 19th Century. (3) A. Prerequisite: 133 or equivalent. | Valentine |
| 237. Literature of the 20th Century in Spain. (3) W. Prerequisite: 133 or equivalent. | Taylor |
| 251. Drama of the 20th Century in Spain. (3) S. Prerequisite: 133 or equivalent. | Taylor |
| 252. Spanish Novel of the 19th Century. (3) A. Prerequisite: 133 or equivalent. | Taylor |
| 255. Spanish American Poetry. (3) W. | Valentine |
| 261. Hispanic American Civilization of the Colonial Period. (3) A. | Wilkins |
| 262. Hispanic American Civilization of the Modern Period. (3) W. | Wilkins |
| 263. Hispanic American Essay. (3) S. | Wilkins |
| 294. Spanish Seminar. (3) A.W.S. | Taylor, Wilkins, Valentine |
| 300. Master's Thesis. | Staff |

Courses in Semitic Languages

See Department of Semitic Languages for courses in Hebrew, Aramaic, Syriac, Akkadian, and Egyptian.

Courses in Linguistics

- | | |
|--|----------|
| 201. Introduction to Language Science. (3) S. | Gibson |
| 221. Studies in Criticism. (3) A. | Cummings |
| 231. Introduction to Romance Philology. (3) A. | Clark |
| 246. Old French Morphology and Phonology. (3) A. | Clark |
| 251. History of the Spanish Language. (3) W. | Gibson |
| 266. Gothic and Introduction to Comparative German Grammar. (5) W. | Watkins |
| 267. Old High German and Old Saxon. (3) W. | Watkins |
| 268. Middle High German. (3) A. | Watkins |
| 291. Seminar in Philology. (2) S. | Watkins |



Chairman

JOHN R.
HALLIDAY

Chairman of the Department of Music at Brigham Young University since 1948, has had a long and distinguished career in the field of music. Studied choral conducting at State Academy of Music in Berlin (1933-34). Completed his A.B. and M.A. degrees at B.Y.U. by 1936. He served as assistant conductor of Salt Lake Tabernacle Choir in 1937. Studied at Eastman School of Music where he also taught until 1941, when he received the first Ph.D. in Music Theory given in America. He returned to B.Y.U. and was Director of Bands at B.Y.U. from 1944-51. Then taking sabbatical leave he studied in Paris, France, and Rome, Italy.

Music

Faculty

Professors: Halliday (chairman, 250 C), deJong.

Associate Professors: Earl, Gates, Sardoni.

Assistant Professors: Gulbrandsen, Keeler, H. Laycock, R. Laycock, F. D. Madsen, Wakefield, N. Weight, R. Woodward.

Instructors: Ballou, Cannon, Curtis, Edlefsen, Fuerstner, Nordgren.

Fields

Music Education

1. Elementary

2. Secondary

Musicology

Music Theory

Music Applied (minor only)

Requirements

Departmental recommendation for full graduate standing is granted to students who possess the baccalaureate degree with a major in music and pass the department qualifying examination. This examination presupposes the equivalent of Music Theory 122 and Musicology 185. Provisional standing may be recommended for one who has not completed the above requirements. Deficiencies in training must be made up, however, before full standing will be recommended. Requirements for admission as a minor in music are the same as those for majors. Students who expect to receive a master's degree in Music Education (Elementary) are not required to have the baccalaureate degree with a major in music or take the qualifying examination.

Candidates for the master's degree in Music Education (Elementary or Secondary) must have completed requirements for the appropriate General Teacher's Certificate.

After a student has been admitted to the Graduate School as a degree-seeking candidate, his program and his thesis are pursued under the direction and supervision of a special committee, selected by the student in consultation with the chairman of the department. All faculty members who offer courses carrying graduate credit are eligible to serve as chairmen and members of special

committees. After the committee has been selected, the candidate must secure the signature of each committee member and return it to the Dean of the Graduate School on the appropriate form within six weeks of the date of first registration as a degree-seeking student.

Courses in Music Education

- 201. Music in the Elementary School. (3) A. Staff
- 202. Music Consultant Methods. (3) W. Staff
- 211. Music in the Junior High School. (3) S. Staff
- 221. Music in the Senior High School. (3) A. Staff
- 222. Supervision of Public School Music. (3) W. F. D. Madsen
- 241. Music Arranging for School Groups. (3) A. R. Laycock
- 271. Advanced Conducting. (3) S. Sardoni
- 281. Summer Music Clinic. (3) Summer (May be counted as Music Applied) Sardoni, et al.
- 294. Seminar in Music Education. (2) W. Staff
- 300. Thesis for Master's Degree. (4)

Candidates for a master's degree are required to show competence in writing and research before work is started on the thesis.

- 301. Field Project. (4)

A satisfactory field project may be substituted for a thesis provided that a total of forty-five hours credit be presented in addition to the field project.

Courses in Musicology

It is recommended that Musicology majors take Music Theory 211 (Counterpoint) and Music Theory 222, 223 (Form and Analysis).

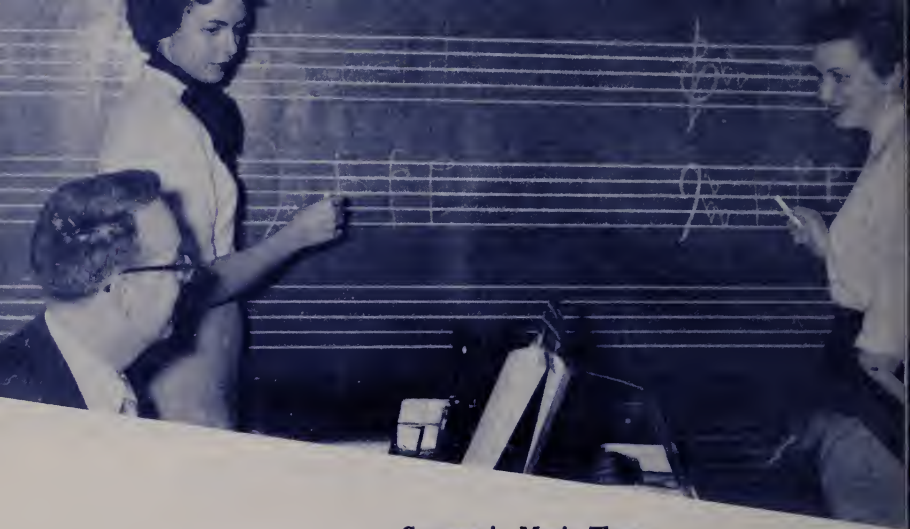
- 201. Introduction to Research Techniques. (2) A. Earl
- 211. History and Literature of Music through the Renaissance. (5) A. Cannon
- 212. History and Literature of Music in the Baroque and Classical Periods. (5) W. Cannon, Keeler, Wakefield
- 213. History and Literature of Music in the Romantic and Modern Periods. (5) S. Wakefield

Musicology 211, 212, and 213 constitute a core-study in Musicology and are required of any graduate student who intends to receive the master's degree with a major or minor in Musicology.

- 221. The Symphony. (2) A. Wakefield
- 222. Chamber Music. (2) W. Wakefield
- 223. The Opera. (2) S. Earl
- 224. Choral Music. (2) W. Cannon
- 294. 295. Seminar in Musicology. (2-2) W.S. Prerequisite: Musicology 201. Cannon
- 297. Special Readings in Musicology. (2) A.W.S. Wakefield
- 300. Thesis for Master's Degree. (4)

Candidates for a master's degree are required to show competence in writing and research before work is started on the thesis.





Courses in Music Theory

- 211, 212, 213. **Counterpoint.** (3-3-3) A.W.S. Prerequisite: Music Theory 122. Gates
 221. **Materials of Modern Music.** (3) A. Prerequisite: Music Theory 122. Gates
 222. 223. **Form and Analysis.** (3-3) W.S. Prerequisite: Music Theory 122. (May be counted as Musicology.) Gates
 231, 232, 233. **Instrumentation.** (3-3-3) A.W.S. Prerequisite: Music Theory 122. Gates, Sardoni
 241. **History of Music Theory.** (3) A. Prerequisite: Music Theory 122. Nordgren
 251. **Pedagogy of Music Theory.** (3) W. Prerequisite: Music Theory 122. (May be counted as Music Education.) Nordgren
 271, 272, 273, 274, 275, 276. **Composition.** (3-3-3-3-3-3) A.W.S. Prerequisite: Music Theory 122. Fuerstner, Gates
 300. **Thesis for Master's Degree.** (4)

Candidates for the master's degree are required to show competence in writing and research before work is started on the thesis.

311. **Composition for Master's Degree.** (4)

Candidates for the master's degree are required to show competence in ability to compose before work is started on the composition.

Courses in Music Applied

- 279-, 280-, 281-, 282-, 283-, 284-p. **Private Instruction.** (2-2-2-2-2-2) A.W.S. Ten lessons per quarter.
 Brass: Trumpet, Cornet, French Horn, Trombone, Baritone, Tuba. Ballou, R. Laycock, F. D. Madsen
 Harpsichord: Wakefield
 Organ: Keeler
 Percussion: Drums and Tympani R. Laycock
 Piano: Cannon, Fuerstner, Gates, Keeler, Wakefield
 Recorder: Cannon, Wakefield
 Strings: Violin, Viola, Cello, String Bass H. Laycock, Nordgren, Sardoni
 Voice:
 Curtis, Earl Gulbrandsen, Halliday, Weight, R. Woodward
 Woodwinds: Flute, Oboe, Clarinet, Saxophone, Bassoon Edlefsen, R. Laycock
 285. **Solo Recital.** (3) A.W.S. Required of all students minoring in Music Applied. Staff

Chairman

**CHARLES J.
HART**



Professor Hart has served as president and member of the Executive Committee, Utah Association of Health, Physical Education and Recreation Association, and is a member of the Utah Recreation Society. He also holds membership in several national organizations. Dr. Hart is assistant to the Dean.

Dr. Hart was the recipient of the first Elmer George Peterson Citizenship Award in 1922.

He received the B.S. degree at Utah State Agricultural College in 1922 and the M.A. and Ed.D. degrees at New York University in 1932 and 1945.

Physical Education

Faculty

Professors: Hart (chairman), Hartvigsen, Holbrook, Kimball, Nash.

Associate Professor: Stone.

Assistant Professors: Dixon, Robison, Soffe.

Instructors: Bangerter, Barney, Cowan.

Requirements

Undergraduate or equivalent in field and acceptance by Department Graduate Committee.

Courses

- | | |
|---|---|
| 230. Seminar in Administration. (3) | Staff |
| 235. Basic Relationships. (5) W. | Staff |
| A course to integrate the College offerings in Recreation Education, Physical and Health Education, Youth Leadership, Scouting, The Dance, and Athletics. | |
| 236. Curriculum Constr. and Current Problems. (5) S. | Hart |
| 243. Problems in Athletic Conditioning and Injuries. (3) (Not offered this year) | |
| 244. Applied Science in Health Education. (3) | Prerequisites: Health 45, P. E. 141, 146 or equivalent. (Not offered this year) |
| 247. Prin. and Prac. of Phys. Reconditioning. (3) A. | Prerequisites: Health 45, P. E. 141, 146 or equivalent. Barney. |
| 255. Tests and Measurements in Phys. & Health Education. (3) W. | Prerequisites: Physical Education 154 or equivalent. Hart |
| 292. Research in Physical Education. (5) A. | Hart |
| 294. Readings in Physical Education. (2) A.W.S. | Staff |
| 300. Thesis for Master's Degree. | Staff |
| 301. Field Project. (2-6) | Staff |



Chairman

WAYNE B.
HALES

Chairman, Department of Physics and Professor of Physics.

Dr. Hales has been president of Snow College in Ephraim, Utah and of the Utah Academy of Sciences, Arts and Letters. At present, he is a member of the National Executive Council, Sigma Pi Sigma; Acoustical Society of America; American Meteorological Society; American Association of Physics Teachers; Sigma Xi; National Research Society. He is at present a fellow in the American Association for Advancement of Science and Utah Academy of Sciences, Arts, and Letters.

He received his B.A. degree from Brigham Young University in 1916, his M.A. from the University of Utah in 1922, and his Ph.D. from the California Institute of Technology in 1926.

Physics

Faculty

Professors: Fletcher, W. Hales (Chairman), Marshall.

Associate Professors: Eastmond, Gardner.

Assistant Professors: Aamodt, R. Hales, Hoyt, Miller.

Requirements

A student seeking a master's degree in physics must have fulfilled the equivalent of the requirements for an undergraduate major in Physics. Where the student needs to use upper division credit toward the master's degree, those hours may be elected from the upper division courses in physics with the approval of the department and in conformity with the regulations governing requirements for the degree in the fore part of the catalog.

Courses

- | | |
|--|---|
| 201, 202, 203. Nuclear Physics. (2-2-2) | R. Hales |
| 205, 206, 207. Introduction to Theoretical Physics. (3-3-3) | (3-3-3) |
| A.W.S. | Hoyt |
| 211. Advanced Mechanics. (3) | Gardner |
| 212. Dynamics. (3) | Gardner |
| 213. Theory of Relativity. (3) | Gardner |
| 231, 232, 233. Atomic Physics & Spectroscopy. (3-3-3) | A.W.S. |
| | Eastmond |
| 237, 238, 239. Molecular Physics & Microwave Spectroscopy. (3-3-3) | Prerequisite: Permission of the instructor. Aamodt |
| 241, 242, 243. Mathematical Theory of Electricity & Magnetism. (3-3-3) | Gardner |
| 251, 252, 253. Quantum Mechanics. (3-3-3) | A.W.S. Gardner |
| 271, 272, 273. Solid State. (2-2-2) | Staff |
| 291. Readings in Modern Physics. (1-3) | A.W.S. |
| | Marshall, W. Hales, Eastmond, Gardner, R. Hales, Miller |
| 292, 293, 294. Classical Experiments. (2-2-2) | A.W.S. |
| | Marshall, W. Hales, Eastmond, Gardner, R. Hales, Miller |
| 295, 296, 297. Seminar. (1-1-1) | R. Hales |
| 300. Thesis for Master's Degree. | Staff |

Chairman

STEWART L.
GROW



Associate Professor of History and Political Science, Counselor for Pre-legal students.

Before coming to B.Y.U., Dr. Grow spent 8 years in Washington, D.C. in several administrative offices some of which were—Administrative Assistant to a U. S. Senator, Report Specialist for the Treasury Department.

He was also a Senior Administrative officer in War Production Board and Office of Price Administration.

He received his B.S. and M.S. degrees at Brigham Young University in 1935 and 1938 and his Ph.D. at the University of Utah in 1954. He joined the B.Y.U. staff in 1947.

Political Science

Faculty

Professor: Swensen.

Associate Professors: Poll, Caldwell, Grow (Chairman).

Assistant Professor: Reeder.

Instructors: Jones, Mabey, Riggs.

Requirements

Full graduate standing for a major in this field is granted those who have completed approximately the equivalent of an undergraduate major in the field. A minor may be undertaken with somewhat less background, after consultation with the department.

Courses

I. Political Theory

202. Modern Political Ideas. (1956-7 and alternate years) (3)
S. Caldwell
203. Roots of American Democracy. (1957-8 and alternate years) (3)
Caldwell

II. Politics

210. American Political Problems. (1957-8 and alternate years) (3)
Grow
215. Public Opinion and Political Behavior. (1956-7 and alternate years) (3). A. Reeder

III. Public Administration

230. Comparative Public Administration. (1956-7 and alternate years) (3) S. Grow
232. State and Municipal Administration. (1957-8 and alternate years) (3) Jones

IV. Comparative Government

240. Democratic Governments. (1957-8 and alternate years) (3)
Riggs
241. Totalitarian Governments. (1957-8 and alternate years) (3)
Mabey

V. International Law and Relations:

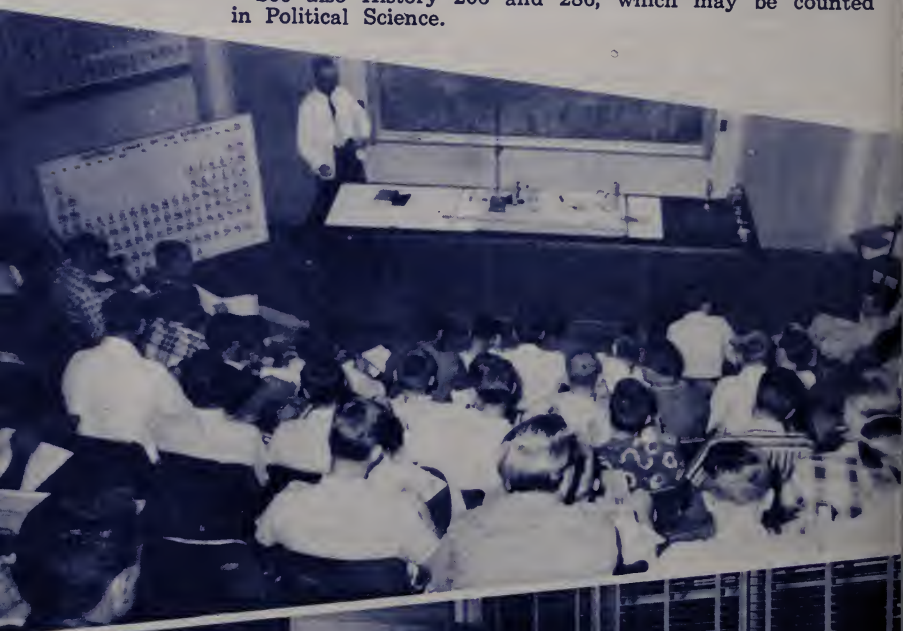
269. **International Organization in the 20th Century.** (1957-8 and alternate years) (3) Riggs
 270. **International Relations in the 20th Century.** (1956-7 and alternate years) (3) W. Riggs
 280. **Modern International Law.** (1957-8 and alternate years) (3) Reeder

VI. Public Law

286. **Constitutional Law in the 20th Century.** (1957-8 and alternate years) (3) Reeder
 288. **Supreme Court of the United States.** (1957-8 and alternate years) (3) Caldwell

Other Courses:

298. **Directed Readings.** (2) A.W.S. Staff
 300. **Thesis for Master's Degree.** Staff
 See also History 206 and 286, which may be counted in Political Science.



Chairman

MARK K.
ALLEN



Dr. Allen received his A.B. from B.Y.U., and his M.A. and Ph.D. from Stanford University. A specialist in Clinical Psychology and personality study, Dr. Allen was psychologist and Assistant Superintendent of the Utah State Training School for thirteen years before coming to B.Y.U., and still holds the capacity of consulting clinical psychologist at that institution. A teacher at B.Y.U. for many years, Professor Allen has been a full-time member of the faculty since 1946. Dr. Allen is vice president of the Utah Psychological Association, a member of the American Pathological Association, a member of Sigma Xi, formerly a fellow of the American Association on Mental Deficiency, and presently is a member of the board of the Utah County Child Guidance Clinic.

Psychology

Faculty

Professor: M. K. Allen (chairman).

Associate Professor: B. Robinson.

Assistant Professors: Howell, R. M. Peterson, C. Taylor, F. R. Wilkinson.

Instructors: Hardy, J. W. Moffitt.

Fields:

Clinical Psychology, Experimental Psychology

Requirements

Permission to major in psychology at the graduate level will be granted to student promise for independent and competent work in the field. Usually a minimum average grade of B will be required. At least the equivalent of the basic course requirements for the bachelor's degree will be required in addition to an approved program of graduate courses. Any deficiencies in the undergraduate program may be taken concurrently with the graduate program upon approval of the student's committee chairman.

For a graduate minor in psychology, the following undergraduate courses are required in addition to the standard requirements: 11, 113, and 115.

Course 214, Methods of Research, and one graduate seminar are required of master's candidates in psychology.

Courses in Clinical Psychology

- | | |
|---|--------------|
| 230. Advanced Clinical Psychology. (2) W. | B. Robinson |
| 231. Psychosomatic Problems. (3) A. | B. Robinson |
| 235. Mental Deficiency. (3) S. | M. K. Allen |
| 236. Psychology of the Physically Handicapped. (3) W. | C. Taylor |
| 245. Group Dynamics. (3) W. | Hardy, Staff |
| 272. Individual Test Practice. (5) W. | Howell |

Courses in Experimental Psychology

- | | |
|--|----------------|
| 213. Advanced Statistics. (3) W. | Howell |
| 214. Methods of Research. (3) W. | R. M. Peterson |
| 228. Psychology of Learning. (3) S. | R. M. Peterson |
| 250. Human Behavior: Theory. (3) W. | J. W. Moffitt |
| 251. Personality: Culture and Adjustment. (3) A. | Hardy |

Other Courses

- | | |
|---|-------|
| 291, 292. Seminar. (1) A.W.S. | Staff |
| 298. Independent Readings. (1-3) A.W.S. | Staff |
| 299. Independent Research. (1-3) A.W.S. | Staff |
| 300. Thesis. A.W.S. | Staff |



Chairman

**ISRAEL
HEATON**

Dr. Heaton is a former associate professor of physical education and recreation at Utah State Agricultural College and Los Angeles State College; also State Recreation Specialist for the Utah Agricultural Extension Service. He has had a wide variety of leadership experience at the undergraduate and graduate level. He will be supervising the recreation curriculum beginning this fall.

Dr. Heaton received his B.S. and M.S. degrees from the Utah State Agricultural College in 1940 and 1941. His Re. Dir. and Re.D. degrees were completed at Indiana University in 1952 and 1955 respectively.

Recreation Education

Faculty

Professors: Hart, Holbrook, Nash

Associate Professors: Stone, Heaton (chairman).

Assistant Professor: Dixon

Requirements

Undergraduate or equivalent in field and acceptance by Department Graduate Committee.

Courses

- | | |
|---|--------------|
| 235. Seminar in Administration. (3) | Staff |
| A course to integrate the college offerings in Recreation Education, Physical and Health Education, Youth Leadership, Scouting, The Dance, and Athletics. | |
| 292. Research in Recreation. (5) A. | Staff |
| 294. Readings in Recreation. (2) A.W.S. | Staff |
| 300. Thesis for Master's Degree. | Staff |
| 301. Field Project (2-6) | Staff |



Chairman

HUGH NIBLEY



Professor of History and Religion.

Dr. Nibley received his B.A. degree in Ancient History at the University of California at Los Angeles in 1934; and he received his Ph.D. at the University of Colifornia in 1938.

He is the author of two books and over a hundred articles.

Church History And Philosophy

Faculty

Professors: Nibley (chairman), Sudweeks.

Associate Professor: Berrett.

Assistant Professor: Yarn.

Requirements

Students who expect to major in this field should have had suitable undergraduate preparation. Those whose background is found deficient may be required to pass a qualifying examination or take certain preparatory courses for which no graduate credit will be allowed.

Courses

201. Survey of Religious Education. (2) (Not given this year) Belnap
202. Methods of Techniques for Religious Educators. (2) (Not given this year.) (See Instruction 263.) Belnap
221. Special Problems in L.D.S. Church History. (2) A. Rich, Larson
222. Special Problems in L.D.S. Church History. (2) W. Rich, Larson
223. Special Problems in L.D.S. Church History. (2) S. Rich, Larson
241. Historical Development of L.D.S. Doctrines and Practices. (2) A. Staff
242. Historical Development of L.D.S. Doctrines and Practices. (2) W. Staff
243. Historical Development of L.D.S. Doctrines and Practices. (2) S. Staff
244. Advanced Theology. (2) S. Staff
251. Problems in Teaching Religion. (2) S. Staff
261. World Religions: Principles of Comparative Religion. (2) (Not given this year) Nibley
262. World Religions: Cult, Myth, and Priesthood in the Near East. (2) (Not given this year) Nibley
263. World Religions: Ritual Patterns. (2) (Not given this year). Nibley
264. The End of the Ancient World. (3) S. Nibley
271. Research Problems in Genealogy. (2) A.W.S. Prerequisite: Church Administration 118. Bennett
281. History of Ancient Philosophy. (3) A. Yarn
282. History of Medieval Philosophy. (3) W. Yarn
283. History of Modern Philosophy. (3) S. Yarn
284. Recent American Philosophy (2) (Not given this year) Yarn
285. Ethical Theory from Plato to Dewey. (3) W. Yarn
286. History of Christian Thought. (2) (Not given this year.) Yarn
287. Survey of Patristic Literature. (2) S. Nibley
288. Types of Religious Philosophy. (3) S. Yarn
300. Thesis for Master's Degree. Yarn



Chairman

**SIDNEY B.
SPERRY**

Professor of Old Testament Languages and Literature; Director of Graduate Studies in Religion.

Dr. Sperry received his B.A. degree at the University of Utah in 1917; his M.A. and Ph.D. at the University of Chicago in 1926 and 1931 respectively.

He is a member of Who's Who in America, the Society of Biblical Literature and Exegesis, and the Association of Professors of Hebrew. He is the author of eleven books and numerous articles.

His M.A. and Ph.D. degrees were received in the field of Oriental languages and literature. He has also traveled widely and studied in Palestine.

Scripture

Faculty

Professors: Sperry (chairman), E. T. Rasmussen, J. R. Clark, L. Rogers.

Requirements

Anyone who expects to major in this field should have suitable preparation through introductory courses in Old and New Testament, Book of Mormon, Doctrine and Covenants, and Pearl of Great Price, such as are available to undergraduates in Brigham Young University. Unless the student has credit for such introductory courses the chairman of the department may require him to pass a qualifying examination. Those whose background is found deficient will be required to take suitable preparatory courses for which no graduate credit will be allowed.

Courses

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| 201. The History of Israel. (3) A. | Sperry, Rasmussen, Rogers |
| 202. The Prophets of Israel. (3) W. | Sperry, Rasmussen, Rogers |
| 203. The Manners and Customs of the Hebrews. (2) S. | Sperry |
| 204. Interpreting the Old Testament. (2) S. | Sperry, Rasmussen |
| 206. The Life and Teaching of Christ. (3) A. | Staff |
| 207. The Life and Letters of Paul. (3) W. | Staff |
| 208. The Non-Pauline Epistles and the Apocalypse. (2) S. | Staff |
| 209. Interpreting the New Testament. (2) S. | Staff |
| 211. An Analysis of the Book of Mormon. (2) A. | Sperry |
| 213. An Analysis of the Doctrine and Covenants. (2) W. | Sperry |
| 215. The Pearl of Great Price. (2) S. | J. R. Clark |
| 300. Thesis for Master's Degree. | Staff |



- 241, 242, 243. Elementary Syriac. (3-3-3) A.W.S. Prerequisites:
221, 222, 223. Sperry
- 244, 245, 246. Advanced Syriac. (2-2-2) A.W.S. Sperry
- 251, 252, 253. Elementary Akkadian. (2-2-2) A.W.S. Prere-
quisite: Two years of Hebrew or consent of instructor. Sperry
- 255, 256, 257. Elementary Egyptian. (2-2-2) A.W.S. Prerequisite:
Two years of a Semitic language or consent of instructor. Sperry
- 261, 262, 263. First Year Arabic (5-5-5) A.W.S. Nibley
300. Thesis for Master's Degree Staff

Semitic Languages

Faculty

Professors: Nibley, Sperry (chairman),
Instructor: Rasmussen.

Requirements

Those who expect to major in this field should have a definite aptitude for languages. Semitic languages are of exceptional value in the study of scripture and in certain subdivisions of archaeology.

Courses

- 221, 222, 223. Elementary Hebrew. (5-5-5) A.W.S. (Open to
all students.) Rasmussen
224. Advanced Hebrew Grammar. (3) A. Rasmussen
225. Hebrew Syntax and Selected Readings from Jonah and
Ruth. (3) W. Rasmussen
226. Hebrew Syntax and Selected Readings from Judges and
Samuel. (3) S. Rasmussen
227. The Hebrew Text of Haggai, Amos, and Malachi. (2) A.
Prerequisite: Two years of Hebrew or consent of instruc-
tor. Sperry, Rasmussen
228. The Hebrew Text of Obadiah, Joel, and Zechariah 9-14. (2)
W. Prerequisite: Two years of Hebrew or consent of instruc-
tor. Sperry, Rasmussen
229. Selected Portions of the Hebrew Text of Isaiah. (2) S. Pre-
requisite: Two years of Hebrew or consent of instructor. Sperry, Rasmussen
230. The Hebrew Text of Psalms. (2) A. Prerequisite: Two
years of Hebrew or consent of instructor. Sperry
- 231, 232, 233. Biblical Aramaic and the Targums. (2-2-2) A.W.S.
Prerequisites: 221, 222, 223. Sperry
234. The Reading of Ancient Hebrew Inscriptions. (2-3) Given
on demand. Prerequisites: Two years of Hebrew or con-
sent of instructor. Sperry



Chairman

REED H.
BRADFORD

Beginning a career now numbering 22 years in the field and 10 years in the Department of Sociology, Dr. Reed Bradford received his B.A. from B.Y.U., his M.A. from Louisiana State University and his Ph.D. from Harvard University.

Dr. Bradford has taught at the University of West Virginia and at Harvard University, is widely traveled in twenty-two different countries, and was Regional Director and Regional Coordinator on the Point Four Program in Iran. Having published many valuable works, such as, "Marriage and the Latter-day Saint," "The Relation of Residential Fertility," "The Farm Labor Situation in West Virginia," and others, Dr. Bradford is quick to cite the value of Sociology in our highly specialized modern societies.

Sociology

Faculty

Professors: Ballif (on leave), Bradford (chairman), Symons.
Associate Professor: Smith.
Assistant Professors: Canning, Dyer, Payne, Slater.
Instructors: Empey, Larsen.

Requirements

Full graduate standing for a major in this field is granted those who have completed Sociology 11, 12, 103, 104, 110, 180, and 182, plus the seminar (188 or 189).

Permission to minor in the field is granted those who have completed approximately 20 hours including 11, 12, 103, 104, and 110.

Courses

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|---|--------------------------|
| 205. Advanced Sociological Thought. (3) W. | Canning
Smith, Symons |
| 206. Advanced Contemporary Sociology. (3) S. | Bradford, Smith |
| 224. Research Methods in Criminology. (3) S. | Symons |
| 226. Penology. (3) W. | Smith |
| 230. Problems in Race Relations. (3) A. | Symons, Ballif |
| 240. Research in Population and Demography. (3) S. | Smith,
Bradford |
| 250. The Sociology of Personality Development. (3) A. | Smith |
| 260. Social Change. (3) W. | Symons, Larsen |
| 290. Seminar. (2) A. | Staff |
| 292. Public Opinion. (3) S. | Larson, Ballif |
| 296, 298. Special Research Problem. (1-3) A.W.S. | Staff |
| 300. Thesis for Master's Degree. | Staff |

Chairman

HAROLD I.
HANSEN



Dr. Hansen was appointed as Head of Speech and Dramatics Department in 1952. Prior to his appointment he had been a staff member of the Speech Departments of the University of Iowa, Michigan State College, and Utah State Agricultural College.

He was an actor with the California Tent Players, Progression Players, Cleveland Playhouse, and Lansing Civic Guild.

Director of the Hill Cumorah Pageant from 1937 to 1941, and from 1948 to the present.

He received his B.S. degree in 1937 from U.S.A.C. and his M.A. and Ph.D. degrees in 1941 and 1949 from Iowa State University.

Speech And Dramatic Arts

Faculty

Professors: Hansen (chairman), Morley.

Associate Professors: Gledhill, Bateman.

Assistant Professors: Clinger, Kathryn Pardoe, O. Rich, L. McKinlay.

Requirements

For full graduate standing as a major in public speaking and interpretation, radio, or theatre and dramatic art, the student must present as background Speech 1, 22, 24, 41, and 160 or their equivalent.

During their first quarter of graduate study, candidates for the master's degree must pass an oral test consisting of a ten to fifteen minute program before a committee of the speech faculty. They must also pass a written test to demonstrate proficiency in background in the area in which they elect to major.

Courses in Public Speaking and Interpretation

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|--|--------------------------------|
| 201. Ancient Rhetoric and Oratory. (3) A. | Staff |
| 202. History of British Public Speaking. (3) W. | Staff |
| 203. American Oratory and Public Address. (3) S | Staff |
| 210. Seminar—Public Speaking. (2-3) Arr. | Staff |
| 215. Regional Dialects. (3) S. | Clinger |
| 230. Seminar in Interpretation (1-4) Arr. | Clinger, Gledhill,
Woodbury |
| 235. Theory of Interpretation (3) Arr. | Woodbury, Gledhill |
| 236. Oral Interpretation of Classic Literature. (3) Arr. | Woodbury, Clinger, Gledhill |
| 237. Program Building and Lecture Recital. (3) Arr. | Woodbury,
Clinger, Gledhill |
| 300. Thesis. | Staff |

See also 100, 101, 103, 120, 121, 172, which may be counted in this field in harmony with general regulations of the Graduate School.

Courses in Radio

241. Research Methods in Mass Communication. (3) A. Smith,
Rich, McKinlay
242. Mass Communication and Society. (4) W. Staff
243. History of Radio & Television Programming. (3) Staff
249. Selected Readings in Radio and Television. (2-4) A.W.S. Staff
250. Seminar in Mass Communications. (2-4) Arr. Staff
252. Radio and Television Projects (2-4) Arr. Staff
300. Thesis Staff
See also 143, 144, 145, and 215, and Journalism 206,
and 294, which may be applied to this field.

Courses in Speech Pathology

- 281a, 281b, 281c. Graduate Practices in Correction of Speech
and Hearing Problems. (3) A.W.S. Prerequisite: 185. Morley
282a. Advanced Studies in Stuttering. (1-3) A.W.S. Prerequisite: 185. Morley
282b. Advanced Studies in Cleft Palate. (1-3) A.W.S. Prerequisite: 186. Mecham
282c. Advanced Studies in Cerebral Palsey. (1-3) A.W.S. Pre-requisite: 186. Mecham
282d. Advanced Studies in Aphesia. (1-3) A.W.S. Prerequisite: 186. Morley
283. Advanced Audiology. (3) Arr. Prerequisite: 184. Jex
284. Public School Audiometry. (3) A. Prerequisite: 182. Jex
286. Anatomy of the Ear and Vocal Organs. (3) W. Morley
287. Psychology of Speech. (3) S. Prerequisite: Psychology 11. Morley
288. Seminar in the Psychophysics of Speech. (1-3) S. Morley
289. Methods and Problems of Research in Speech (2) Arr. Staff
300. Thesis Staff
See also Psychology 130, 139, 143, 167, 171, 230, and
272, which may be applied to this field in keeping with
general regulations of the Graduate School.

Courses in Theatre and Dramatic Arts

- 225, 226, 227. History of the Theatre. (3-3-3) A.W.S. Woodbury,
Hansen
228. Stage Design. (3) W. May be repeated to a total of 9 hours. Staff
229. Playwritfing. (3) W. May be repeated to a total of 9 hours. Hansen
232. Experimental Theatre. (2-4) Arr. Hansen
234. Projects in Theatre. (2-4) Arr. Clinger, Gledhill
Hansen, Woodbury
238. Seminar in Arena Theatre (2-4) Arr. May be repeated
total of 9 hours. Hansen
240. Stage Lighting (1-3) Arr. Tanner
264. Advanced Play Production. (3) A.W.S. Hansen
290. Problems of the Producing Director. (3) Arr. Hansen
292. History of Acting, Styles and Theories. (3) Woodbury
294. Special Problems in Theatre History. (5) (May be re-
quested up to nine hours) Staff
300. Thesis Staff
See also 215, 230, and 236; English 260, 264, 146, 162,
163, and 182; and History 294 and 295, which may be ap-
plied to this field.

Chairman

VASCO M.
TANNER



Professor Tanner has served as permanent secretary, Executive Council member and President of the Utah Academy of Sciences, Arts and Letters; President of the Western Division American Society of Ichthyologists and Herpetologists; member of the advisory panel, Desert Protective Council of America; Vice-chairman Provo Utility Board; and chairman Forest and Canyon Studies, Provo Chamber of Commerce.

Dr. Tanner received a research grant from the National Science Foundation to aid in his study of the weevils of Western United States. He is a fellow of the American Entomological, the American Association for the Advancement of Science, and the Utah Academy of Sciences. He is the author of 130 scientific papers and Editor of the Great Basin Naturalist.

He received an A.B. degree at Brigham Young University in 1915; M.A. degree from the University of Utah in 1920, and the Ph.D. degree from Stanford University in 1925.

Zoology And Entomology

Faculty

Professors: V. M. Tanner (chairman), C. L. Hayward.

Associate Professors: D E. Beck, H. J. Nicholes.

Assistant Professors: A. L. Allen, W. W. Tanner.

Courses in Zoology

- 210, 211, 212. Research in Ichthyology. (3-3-3) A.W.S.
V. M. Tanner
- 213. Natural History of the Amphibians and Reptiles. (3) S. Pre-requisite: 160.
W. Tanner
- 216, 217, 218. Research in Herpetology. (3-3-3) A.W.S. Pre-requisite: 160.
W. Tanner
- 219. Geographical Distribution of the Cold-Blooded Vertebrates. (2) A.
V. M. Tanner
- 223, 224, 225. Research in Ornithology or Mammalogy. (3-5) A.W.S. Prerequisites: 157, 158, or equivalent.
Hayward
- 227. Research and Genetics. (3-3-3)
Allen
- 232. Research in Embryology. (3-3-3)
Allen
- 237. Radiation Biology. (3) S.
Allen
- 238. Advanced Embryology. (3) A. Prerequisite: 178.
Allen
- 239. Advanced Genetics. (3) W. Prerequisite: 146 or equivalent and a good background in botany.
Hayward
- 255, 256, 257. Distributional Study of Parasitic Arthropods. (3-3-3) A.W.S. Prerequisites: Zoology 11, 12, 146, 157, and Entomology 30.
Beck
- 265, 266. Research in Invertebrate Zoology. (Arr.) A.S.
Beck
- 267. Research in Human Anatomy and Physiology. (3-3-3) A.W.S.
Nicholes
- 268. Neurology. (3) W.
Nicholes
- 269. Endocrinology. (3) S. Prerequisite: Zoology 45 or 165.
Nicholes
- 298. Seminar. (1) A.
Staff
- 299. Seminar. (1) W.
Staff
- 300. Thesis for Master's Degree.
Staff

Courses in Entomology

201. Insect Physiology. (3) A.	V. M. Tanner
202. Systematic Entomology. (3) W.	V. M. Tanner
203. Field Entomology. (3) S.	V. M. Tanner
204. Insect Morphology. (3) A.	V. M. Tanner
205. Study of Insect Genitalia. (3) W.	V. M. Tanner
206. Insect Literature and Nomenclature. (3) S.	V. M. Tanner
207. Insect Embryology. (2) A.	V. M. Tanner
208. History of Entomology. (2) W.	V. M. Tanner
300. Thesis for Master's Degree	V. M. Tanner

About B.Y.U.

Founding—B.Y.U. was founded by Brigham Young as the Brigham Young Academy, October 16, 1875. The school became Brigham Young University in 1903.

Graduates—1955, 534 men; 361 women. 78 masters degrees.

Housing—On campus housing facilities: Men 426, Women 1,985.

Lyceums—Nationally famous University Community program brings 25 to 30 world-famous artists to the University each year.

President—Ernest L. Wilkinson.

Publications—Daily student newspaper, Brigham Young Universe. Yearbook, published yearly, Banyan. Student literary magazine, published quarterly, Wye.

Accrediting—B.Y.U. is on the approved list of every recognized accrediting organization.

Administration—B.Y.U. is owned and operated by the Church of Jesus Christ of Latter-day Saints and is the mother school to the Church's far flung education system.

Alumni Association—Any person who has attended the University one quarter or more is eligible to join the Alumni Association.

Audio-Visual Aids—One of the leading University audio-visual aid departments in the country is at B.Y.U. Films are distributed throughout the country for a small charge.

Campus—Main campus is located on a hill overlooking Provo, Utah. University Hill campus has 12 administrative buildings, 16 academic buildings, and 27 Resident Halls and dormitories. Downtown campus has five buildings. B.Y.U. also has Alpine Campus in Provo Canyon and a Dairy Farm.

Curriculum—Graduate School; College of Biological and Agricultural Sciences; College of Commerce; College of Education; College of Family Living; College of Fine Arts; College of Humanities and Social Sciences; Colleges of Physical and Engineering Sciences; College of Recreation, Physical and Health Education, and Athletics; School of Nursing; Division of Religion; Extension Division.

Enrollment—Autumn, 1955: 8,184; 58 per cent male.

